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Draft Groundwater Monitoring Report - September 2011

52nd Street Superfund Site Operable Unit 3
Phoenix, Arizona

February 2012

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Prepared for:
Motorola 52nd Street
Superfund Site
Operable Unit 3
Working Group



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LIST OF ACRONYMS AND ABBREVIATIONS

| | |
|-------------|--|
| µg/L | microgram(s) per liter |
| 1,1-DCE | 1,1-Dichloroethene |
| ADEQ | Arizona Department of Environmental Quality |
| AOC | Administrative Order on Consent |
| amsl | Above mean sea level |
| AWQS | Arizona Aquifer Water Quality Standard |
| bgs | Below ground surface |
| cis-1,2-DCE | cis-1,2-dichloroethene |
| CRA | Conestoga-Rovers & Associates |
| D | Deep Zone |
| ERM | Environmental Resources Management |
| ft | foot/feet |
| FS | Feasibility Study |
| LCS | Laboratory control sample |
| LCSD | Laboratory control sample duplicate |
| M | First Intermediate Zone |
| M2 | Second Intermediate Zone |
| MS | Matrix spike |
| MSD | Matrix spike duplicate |
| OU | Operable Unit |
| PARCC | Precision, accuracy, representativeness, comparability, and completeness |
| PCE | Tetrachloroethene |
| PE | Performance Evaluation |
| QAPP | Quality Assurance Project Plan |
| QC | Quality control |
| RI | Remedial Investigation |
| RPD | Relative percent difference |
| S | Shallow Zone |
| SOW | Statement of Work |
| TCE | Trichloroethene |
| US EPA | United States Environmental Protection Agency |
| VOC | Volatile organic compound |

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1.0

INTRODUCTION

This groundwater monitoring report presents the September 2011 semiannual groundwater monitoring results for the Motorola 52nd Street Superfund Site, Operable Unit (OU)3, in Phoenix, Arizona. The Site is separated into three OUs (OU1, OU2, and OU3). OU3, which is hydraulically downgradient (west) of OU2, has been established by the United States Environmental Protection Agency (US EPA) and the Arizona Department of Environmental Quality (ADEQ) to further determine the nature and extent of groundwater contamination between 20th Street and 7th Avenue.

1.1

MOTOROLA 52ND STREET SUPERFUND SITE HISTORY

Figure 1 provides a site location map of the Motorola 52nd Street Superfund Site OUs. The Motorola 52nd Street Superfund Site covers approximately 7,800 acres and consists of three adjoining groundwater OUs described as follows:

OU1 is the easternmost OU and contains the former Motorola 52nd Street semiconductor plant. The boundaries of OU1 are 52nd Street to the east, Palm Lane to the north, Roosevelt Street to the south, and 44th Street to the west.

OU2 lies west of OU1 and contains the OU2 Groundwater Extraction System and several OU2 potentially responsible party facilities, including the Honeywell International, Inc. (Honeywell) 34th Street facility. The approximate boundaries of OU2 are Roosevelt Street to the north, 44th Street to the east, Buckeye Road to the south, and 18th Street to the west. The OU2 Groundwater Extraction System is located along 20th Street.

OU3 lies west of OU2. The boundaries of OU3 are McDowell Road to the north, 20th Street to the east, Buckeye Road to the south, and 7th Avenue to the west.

ADEQ is the lead regulatory agency for OU1 and OU2, and the US EPA is the lead regulatory agency for OU3.

On 4 October 1989, the US EPA placed the Motorola, Inc. (52nd Street Plant) Site on the National Priorities List. Motorola (now Freescale Semiconductor, Inc. [Freescale]) investigated their facility and

implemented the OU1 groundwater extraction and treatment plant beginning in 1992 under ADEQ oversight. Beginning in 1991, investigation activities in OU2 under ADEQ oversight resulted in the selection of the OU2 interim remedy. This consisted of the containment of the groundwater plume (at approximately 20th Street) utilizing a groundwater extraction and treatment system. Freescale and Honeywell (the Companies) constructed and initially operated the OU2 treatment system under US EPA oversight. The Companies recently negotiated an Administrative Order on Consent (AOC) with ADEQ to continue to operate and maintain the system under ADEQ oversight.

In 1983, a groundwater sample, collected from the Eastlake Park irrigation well located in OU3 near 16th Street and Jefferson Street, contained chlorinated volatile organic compounds (VOCs). The Motorola 1992 OU2 Remedial Investigation (RI) report indicated that the chemicals migrating from the Motorola facility extended into the East Washington Project Area, which prompted ADEQ and the US EPA to create the OU3 Study Area (now referred to as OU3) to address potential co-mingled VOC groundwater impacts.

1.2

OU3 HYDROGEOLOGY

OU3 groundwater is found primarily within the unconsolidated regional Upper Alluvial Aquifer. Groundwater within the alluvial aquifer flows toward the west and southwest (Shaw 2009). Four hydrostratigraphic zones – Shallow (S), First Intermediate (M), Second Intermediate (M2), and Deep (D) – were originally designated in OU3 (US EPA 2009). Lithologic descriptions of these zones are provided in Table 1.

Following agreement with ADEQ and US EPA during a technical working group meeting in January 2011, the hydrostratigraphic nomenclature for OU3 was revised to be more consistent with OU1 and OU2 and the overall Motorola 52nd Street Superfund Site. The S- Zone, M- Zone, and M2- Zone correlate to the Salt River Gravels Sub-unit, and the D- Zone correlates to the Basin Fill Sub-unit. Per a request from US EPA, potentiometric surface and the trichloroethene (TCE) iso-concentration contour maps were developed for the upper zone of the River Gravels Sub-unit (Upper Salt River Gravels), the lower zone of the Salt River Gravels Sub-unit (Lower Salt River Gravels), and the Basin Fill Sub-unit.

Table 1

OU3 Hydrostratigraphic Zones

| Aquifer Unit | Original Hydrostratigraphic Zone | Revised Hydrostratigraphic Zone | Description |
|-------------------------|----------------------------------|-----------------------------------|---|
| | Shallow Zone (S) | Upper Salt River Gravels Sub-unit | Coarse-grained Salt River Gravels, including minor amounts of interbedded and laterally discontinuous fine-grained deposits. |
| Upper Alluvial Aquifer | First Intermediate Zone (M) | Lower Salt River Gravels Sub-unit | Coarse-grained deposits dominated by gravel similar to Salt River Gravels. Base of zone commonly includes a fine-grained layer. |
| | Second Intermediate Zone (M2) | Lower Salt River Gravels Sub-unit | Coarse-grained deposits dominated by gravel similar to Salt River Gravels. |
| Middle Alluvial Aquifer | Deep Zone (D) | Basin Fill Sub-unit | Basin fill deposits consisting of an upper fine-grained layer with an underlying interval of interbedded fines and sand. |

1.3

PREVIOUS SITE INVESTIGATIONS

Three phases of groundwater investigation have been conducted in the area now known as OU3. Phases I and II were conducted by the US EPA pursuant to the Arizona Water Quality Assurance Revolving Fund program. The scope of work for the Phase I and II field programs were presented in the following documents:

- *Final Groundwater Investigation Work Plan, Motorola 52nd Street Superfund Site Operable Unit 3 Study Area, Phoenix, Arizona (IT 2001).*
- *Work Plan Supplement to the Final Groundwater Investigation Work Plan for Proposed Phase II Wells, Motorola 52nd Street Superfund Site Operable Unit 3 Study Area (IT 2003).*

Phases I and II included construction of the following groundwater monitoring wells:

- Phase I: Fifteen groundwater wells were installed from February to May 2002.
- Phase II: Thirteen groundwater wells were installed from May to July 2003. This phase included the abandonment and replacement of three Phase I wells (OU3-5S/M/D).

The OU3 Working Group – comprised of Honeywell International, Inc and Arizona Public Service Company, a subsidiary of Pinnacle West – entered into an AOC with the US EPA on 23 September 2009 (US EPA 2009). The Statement of Work (SOW) for the OU3 Working Group was included as Appendix A of the AOC. In accordance with the AOC

and SOW, the OU3 Working Group became responsible for the OU3 groundwater monitoring program beginning in March 2010. The OU3 monitoring program consists of semiannual sampling events that are performed in conjunction with the Phase III OU3 Remedial Investigation (RI) and Feasibility Study (FS) (OU3 Working Group 2009).

The scope of the Phase III RI/FS field program was presented in the *Final OU3 Phase III Groundwater RI/FS Work Plan* (Work Plan) approved by the US EPA on 15 July 2010 (ERM 2010). Phase III was initiated by the OU3 Working Group in 2010. Seven groundwater monitoring wells (OU3-16S, OU3-10S, OU3-17S, OU3-20S, OU3-16M, OU3-19M, and OU3-20M) were installed. All wells were installed within the Salt River Gravels Sub-unit. Wells OU3-16S, OU3-10S, OU3-17S, and OU3-20S were installed in the Upper Salt River Gravels Sub-unit to provide data on the eastern, western, and southern extent of the plume. Wells OU3-16M, OU3-19M, and OU3-20M were installed in the Lower Salt River Gravels Sub-unit to provide data on the southern and western edges of the plume and to better define the central and eastern core of the plume. Further information regarding the installation of these wells is included in the *Final Groundwater Monitoring Well Installation Report, Motorola 52nd Street Superfund Site, Operable Unit 3 Study Area, Phoenix, Arizona*, submitted in June 2011 (ERM 2011b).

In accordance with the SOW, four quarters of sampling of Phase III wells is being conducted separately from OU3 semiannual monitoring of the Phase I and II wells. Reporting of the monitoring results for the new wells is done separately through submission of data reports and is not presented in the semiannual groundwater monitoring reports. However, analysis of the combined data sets will be conducted as part of the overall RI. Upon completion of the four quarters of new well monitoring (completed with the September 2011 sampling event), these wells will be incorporated into the OU3 semiannual monitoring program, as appropriate.

Figure 2 provides a site plan of all OU3 groundwater monitoring program well locations. Table 2 (attached) provides the OU3 monitoring well construction details.

1.4

PURPOSE AND SCOPE

The purpose of this groundwater monitoring program is to evaluate the trends in VOCs within OU3 groundwater. The groundwater monitoring

program provides data to support the OU3 RI/FS. The OU3 groundwater monitoring program is coordinated with other investigations in the region and includes the following activities:

- Semiannual measurement of groundwater levels in wells included in the OU3 groundwater monitoring program.
- Semiannual collection of groundwater samples for laboratory analysis.
- Evaluation of groundwater hydraulic and water quality data.

Groundwater monitoring activities performed during the September 2011 event were conducted according to the methodology and procedures in the Work Plan and those discussed in Technical Memorandum No.1 (ERM 2011a).

1.5

REPORT ORGANIZATION

Section 1.0 identifies the site background information and the purpose and scope of the groundwater monitoring program. Section 2.0 describes the groundwater monitoring program and the field and analytical methods incorporated into the program. Section 3.0 describes the September 2011 groundwater monitoring results. Section 4.0 contains the references cited within this document.

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2.0

GROUNDWATER MONITORING ACTIVITIES

This semiannual groundwater monitoring event was conducted from 6 to 20 September 2011. Table 2 (attached) provides a list of wells sampled during this event, as well as construction details for each well sampled.

The following sections briefly describe the procedures followed and protocols used by Environmental Resources Management (ERM) to conduct this groundwater monitoring event. The groundwater monitoring program followed the requirements set forth in the Work Plan to ensure that the data collected were of consistent quality. This semiannual monitoring event included the following activities:

- Groundwater level measurements;
- Groundwater purging and sampling;
- Sample analysis;
- Decontamination; and
- Investigation-derived waste management.

A summary of the methodology used to conduct each of these activities is discussed in the following subsections. A detailed description of the procedures and methodology used during this sampling event is provided in the Field Sampling Plan and Quality Assurance Project Plan (QAPP), included as Appendices A and B of the Work Plan (ERM 2010), respectively.

2.1

GROUNDWATER LEVEL MEASUREMENTS

Prior to groundwater sampling, static groundwater levels and well depths were measured in each monitoring well included in the OU3 groundwater monitoring program. On 6 September 2011, all but three water levels were measured to the nearest 0.01-foot (ft) utilizing an electric water level indicator capable of producing measurements accurate to within ± 0.01 ft. Water level measurements of monitoring wells OU3-11M2 and OU3-10S were delayed until 7 and 13 September 2011, respectively, due to accessibility issues. Water levels were collected from monitoring well EW-13 on 16 September 2011 using specialized Westbay® gauging and sampling equipment.

Groundwater elevation contour maps (Figures 3, 4, and 5) were generated using the measurements collected on 6, 7, 13, and 16 September 2011 from the Upper and Lower Salt River Gravels Sub-units and Basin Fill Sub-unit.

2.2

GROUNDWATER PURGING AND SAMPLE COLLECTION

The groundwater monitoring wells were purged using an electric submersible pump or a disposable bailer. At the start of purging, and at intervals during purging; the water quality parameters, pH, temperature, conductivity, dissolved oxygen, and oxidation-reduction potential were measured (field parameters). Field parameters were measured with a Horiba U-52 multi-meter attached to a flow-through cell from 8 to 16 September 2011. On 19 and 20 September 2011 the Horiba was exchanged for a YSI 556MPS due to a malfunction of the Horiba meter. Field parameters and qualitative observations, including odor, clarity, and/or color, were recorded on groundwater sampling field data collection forms provided in Appendix A.

Purging was considered complete after a minimum of three saturated well volumes were removed and after the following field parameters had stabilized for three consecutive readings:

- pH within ± 0.1 unit;
- Temperature within ± 1.0 degree; and
- Conductivity within 10 percent.

After the purge was completed, the groundwater sample was collected from the pump outlet or with a disposable bailer. A sample label containing a unique identification number was attached to each sample container and the sample was recorded on a chain-of-custody form. Samples analyzed for VOCs were collected in 40-milliliter vials pre-preserved with hydrochloric acid. Samples analyzed for 1,4-dioxane were collected in 1-liter amber glass bottles. All sample containers were provided by TestAmerica, Inc. Samples were immediately placed in a cooler containing ice. A trip blank prepared by the laboratory was also placed in the cooler.

ERM field personnel were responsible for ensuring the proper preservation, packaging, labeling, documentation, storage, handling, and transportation of groundwater samples collected during this sampling event. Groundwater samples were hand-delivered daily to the Phoenix, Arizona facility of TestAmerica, Inc., an Arizona-certified laboratory (ADHS# AZ0728), under standard chain-of-custody procedures. All

samples were received by TestAmerica, Inc. in accordance with the requirements of Section 3.3.3 of the QAPP (ERM 2010).

2.3

SAMPLE ANALYSIS

All groundwater samples collected during this monitoring event were analyzed by TestAmerica, Inc. using the following methods:

- VOCs by US EPA Test Method 8260B.
- 1,4-Dioxane by US EPA Test Method 8270C.

A complete listing of the September 2011 analytical results is provided in Appendix B.

2.4

DECONTAMINATION

Purging and sampling equipment was decontaminated before use at each groundwater monitoring well in accordance with Appendix A, Section 5.11.3 of the Work Plan. Submersible pumps were utilized for purging and sample collection, except as described in Section 2.6.

Submersible pumps and galvanized steel drop-pipe or flexible tubing were decontaminated using the following procedures:

- The exterior of the pump or other non-dedicated equipment was placed on a piece of Visqueen film and then washed with a power washer. The Visqueen was folded so that it had edges to contain the decontamination water. The water contained within the folded Visqueen was then poured into the portable holding tank for later discharge to the City of Phoenix sanitary sewer.
- The exterior of the pump was washed with Alconox solution. Alconox solution was also sprayed into the pump until extruded from the intake port. Any piping or tubing used, such as a reel pump, had Alconox solution sprayed on both the exterior and interior of the piping/tubing.
- The equipment exterior was then washed with a power washer. Piping was washed both inside and out by circulating water through the tubing, via the discharge manifold, so that at least 5 gallons of tap water flowed through the tubing and extruded from the pump.
- The submersible pump was then submerged in a container containing distilled water and operated until approximately 5 gallons had been circulated through and extruded from the pump.

Field monitoring instrumentation and water level meters were decontaminated before use at each well. Each was decontaminated by spraying the surfaces with Alconox solution, rinsing with distilled water, and air-drying.

2.5

INVESTIGATION-DERIVED WASTE MANAGEMENT

Purge and decontamination water was contained in a portable tank and the water was discharged directly to the sanitary sewer under the permit issued by the City of Phoenix on 17 August 2011 (Appendix C).

Miscellaneous waste, such as used personal protective equipment, disposable sampling equipment, polyethylene sheeting, and general trash, was disposed of as municipal solid waste.

2.6

DEVIATIONS FROM THE WORK PLAN

Deviations to the procedures in the Work Plan included the following:

- EW-13 was not gauged in the first 48 hours of the sampling event due to scheduling conflicts and equipment availability.
- OU3-10S was not gauged in the first 48 hours of the sampling event. Due to access issues, the water level measurement was performed on 13 September 2011.

All other procedures in the Work Plan were followed during the September 2011 groundwater sampling event.

SEPTEMBER 2011 GROUNDWATER MONITORING RESULTS

Groundwater samples were collected from thirty-six monitoring wells and the four ports of Westbay® multi-port well EW-13 during the September 2011 monitoring event. IN-MW-1 was gauged, but not sampled due to insufficient water in the well. Of the monitoring wells and ports that were sampled, fourteen were screened in the Upper Salt River Gravels Sub-unit, sixteen were screened in the Lower Salt River Gravels Sub-unit, and ten were screened in the Basin Fill Sub-unit.

This OU3 September 2011 semiannual groundwater report also contains non-OU3 groundwater analytical data transmitted by Conestoga-Rovers & Associates (CRA) to ERM (CRA 2011).

GROUNDWATER LEVEL MEASUREMENT SUMMARY

Groundwater elevations measured in the OU3 program monitoring wells during this monitoring event are summarized in Table 3 (attached). Figures 3 through 5 present the September 2011 groundwater elevation contours for the Upper and Lower Salt River Gravels Sub-unit wells, and the Basin Fill Sub-unit wells, respectively. Groundwater elevation data from the wells that were not sampled as part of the OU3 monitoring program (non-OU3 program wells) were used in the interpretations presented in Figures 3 through 5.

Groundwater elevation data for wells OU3-13D and EW-22D were not used for the Basin Fill Sub-unit potentiometric map. Data from well OU3-13D have historically been anomalous (Shaw 2010) and therefore difficult to integrate into the site-wide potentiometric interpretation. The water level measurement from well EW-22D was not used because it is screened from 407 to 427 ft below ground surface (bgs), which is over 120 ft below the other OU3 Basin Fill Sub-unit monitoring wells (Shaw 2010). This area is also hydrologically complex due to the OU2 groundwater extraction system and nearby bedrock ridge.

The groundwater elevations decreased in all forty-one of the OU3 groundwater monitoring wells gauged during the September 2011 event relative to March 2011 data, with an average decrease of 4.72 ft.

Table 4 summarizes groundwater levels by hydrostratigraphic zone. Table D-1 in Appendix D contains a tabulation of historical water levels.

Table 4

Groundwater Level Summary

| Hydrostratigraphic Zone | Range of Depth to Groundwater (ft bgs, min/max) | Range of Groundwater Elevations (ft amsl, min/max) | Maximum Groundwater Change* (ft) |
|-----------------------------------|--|---|-------------------------------------|
| Upper Salt River Gravels Sub-unit | 85.48 (BE-MW-8)/ 98.82 (EWOU3-10S-R) | 982.80 (EWOU3-10S-R) / 1,007.19 (EW-13-118) | -8.56 (EWOU3-10S-R) |
| Lower Salt River Gravels Sub-unit | 85.45 (OU3-12M)/ 98.89 (OU3-10M2) | 983.40 (OU3-10M2) / 1,008.66 (OU3-2M) | -8.92 (OU3-10M2) |
| Basin Fill Sub-unit | 79.63 (EW-19D)/ 90.80 (OU3-8D) | 989.20 (OU3-8D) / 1,015.96 (OU3-14D) | -8.28 (OU3-8D) |

Notes: bgs = below ground surface; amsl = above mean sea level; min = minimum; max = maximum;
* = Since previous semiannual groundwater monitoring event

Based on the groundwater elevations from this gauging event, the estimated groundwater gradients from west of 16th Street are shown in Table 5, along with the wells used to determine the gradient. The groundwater gradients were calculated using the 3-point method. It should be noted that the groundwater gradients were not calculated for the area east of 16th Street due to the depression of the potentiometric surface caused by the operation of the OU2 groundwater extraction system.

Table 5

Estimated Groundwater Gradients

| Hydrostratigraphic Zone | Gradient | Wells Used To Calculate Gradient |
|-----------------------------------|-----------------------------|-----------------------------------|
| Upper Salt River Gravels Sub-unit | 0.0025 ft/ft west-southwest | EWOU3-10S-R, OU3-4S, and SC-MW-1D |
| Lower Salt River Gravels Sub-unit | 0.0023 ft/ft west | OU3-10M, OU3-14M, and OU3-12M |
| Basin Fill Sub-unit | 0.0029 ft/ft west-southwest | OU3-8D, OU3-6D, and OU3-14D |

3.2

ANALYTICAL RESULTS SUMMARY

A total of forty-three samples were collected from forty wells during the September 2011 monitoring event. A summary of analytes detected is provided in Table 6 (attached). Figures 6 through 8 present TCE data for the Upper and Lower Salt River Gravels Sub-unit wells and Basin Fill Sub-unit wells, respectively. TCE concentration data from several wells not sampled as part of the OU3 monitoring program were also used in Figures 6 through 8. TCE data from selected non-OU3 program wells were used to illustrate TCE distribution along the OU2/OU3 boundary. The

non-OU3 program wells that were used to develop Figures 3 through 5 (groundwater elevation contours) and Figures 6 through 8 are listed in Table 7 (attached).

The following analytes were detected above their respective Aquifer Water Quality Standards (AWQS) during the September 2011 groundwater monitoring event:

- TCE was detected above the AWQS of 5 micrograms per liter ($\mu\text{g}/\text{L}$) in samples from twelve wells (EWOU3-10S-R, EW-19S, EW-20, OU3-2M, OU3-5M2, OU3-5MR, OU3-5SR, OU3-8S, OU3-8M2, OU3-10M, OU3-10M2, and OU3-13M) during the September 2011 event. Concentrations ranged from 6.1 (OU3-8S) to 75 $\mu\text{g}/\text{L}$ (OU3-5M2). Thirteen wells in the OU3 monitoring program exceeded the TCE AWQS in March 2011 (ERM 2011c). The average TCE AWQS exceedance was approximately 0.4 $\mu\text{g}/\text{L}$ lower in September than in March.
- Tetrachloroethene (PCE) was detected above the AWQS of 5 $\mu\text{g}/\text{L}$ in one well during the September 2011 event, BE-MW-8, at 5.2 $\mu\text{g}/\text{L}$. The PCE concentration in well BE-MW-8 during the March 2011 event was 8.8 $\mu\text{g}/\text{L}$ (ERM 2011c).
- 1,1-Dichloroethene (1,1-DCE) was detected above the AWQS of 7 $\mu\text{g}/\text{L}$ in samples from two wells (OU3-5M2 and OU3-10M2), at concentrations of 7.9 (OU3-5M2) and 9.4 $\mu\text{g}/\text{L}$ (OU3-10M2). Samples from these two wells, and two others (OU3-2M and OU3-5MR), exceeded the AWQS during the March 2011 event (ERM 2011c).
- None of the OU3 wells exceeded the AWQS of 70 $\mu\text{g}/\text{L}$ for cis-1,2-dichloroethene (cis-1,2-DCE) in September 2011 sampling event.

The compound 1,4-dioxane was detected in eleven of the forty wells sampled during the September 2011 groundwater sampling event. The majority of the 1,4-dioxane results were near or below the laboratory's practical quantitation limit of 1.0 $\mu\text{g}/\text{L}$, and no 1,4-dioxane concentration exceeded 3.5 $\mu\text{g}/\text{L}$. The highest concentration, 3.1 $\mu\text{g}/\text{L}$, was measured in the sample collected from well OU3-10M2. Regulatory standards have not been promulgated for 1,4-dioxane, although the US EPA has listed the compound as a probable human carcinogen and has a Drinking Water Advisory Level of 3.0 $\mu\text{g}/\text{L}$. ADEQ has not promulgated a 1,4-dioxane groundwater standard.

Appendix E provides time-concentration plots for TCE, PCE, 1,1-DCE, and cis-1,2-DCE, versus groundwater elevation for all OU3 program monitoring wells. The available historical data from the non-OU3 (Shaw 2010 and CRA 2011) and OU3 (Shaw 2010) program wells were included in constructing the graphs.

Time-concentration graphs indicate the concentrations of TCE, PCE, 1,1-DCE, and cis-1,2-DCE have decreased site-wide since the OU3 groundwater monitoring program was initiated in June 2002. Over this period of time, thirteen monitoring wells have shown decreases in TCE concentration of one order of magnitude or more. These wells include EW-19S, EWOU3-10S-R, EW-20, GH-MW-11, OU3-1M, OU3-2M, OU3-6M, OU3-10M, OU3-12M, OU3-12D, OU3-13D, OU3-14M, and OU3-14D. Wells EWOU3-10S-R and OU3-10M are located near the plume's southern boundary near Washington Street and 1st Street. The other wells are located within the southern, central, and northern portions of the plume between 5th and 16th Streets (Figures 6, 7, and 8).

3.3

QUALITY ASSURANCE/QUALITY CONTROL RESULTS SUMMARY

Field quality control (QC) samples were collected or prepared to evaluate if sampling practices affected the analytical results. Field QC samples consisted of field duplicates, trip blanks, and equipment rinsate samples. All samples received by TestAmerica, Inc. were between 0 and 5 degrees Celsius.

This report contains data that were not collected as part of the OU3 monitoring program and, therefore, were not included in the OU3 data validation process. Data not collected, nor validated, as part of the OU3 monitoring program was obtained from CRA (CRA 2011).

The OU3 September 2011 semiannual monitoring event's project data were validated in accordance with Section 4.1 of the QAPP for compliance with project QA/QC requirements, which included an evaluation of field and laboratory QC sample analyses. Samples were analyzed for VOCs and 1,4-dioxane in accordance with the Work Plan.

Field QC: The field QC samples associated with the OU3 groundwater sampling event included field duplicate samples, equipment rinsate blanks, field blanks, matrix spikes (MS)/matrix spike duplicates (MSD), trip blanks, and a Performance Evaluation (PE) sample. Field duplicate samples were used to evaluate overall field sample precision and were collected at a frequency of one duplicate for every twenty samples, for a

total of three duplicate samples. Field duplicate samples were evaluated by calculating the control limit between the sample and its duplicate.

Acceptable precision control limit criteria were established at a maximum Relative Percent Difference (RPD) of ± 20 percent. Of the three field duplicate pairs collected, two had RPDs of ≤ 10 percent for all analytes. The third duplicate pair, EW-20-S-091511/EW-20-S-091511-Q1 showed an RPD of ≤ 10 percent for all analytes but 1,2-DCE. The RPD for 1,2-DCE was calculated as 21 percent. Thus, the overall analytical and sampling precision for this sampling event was considered acceptable, but the 1,2-DCE result at EW-20 was flagged.

Eight equipment rinsate blanks and eight trip blanks were collected during the sampling event. These were analyzed for VOCs only. The trip blank identified as GW-L1-4-031311 and delivered to the laboratory on 13 September 2011, was shown to contain the analyte TCE at a concentration of 0.55 $\mu\text{g}/\text{L}$. No other trip blanks were found to contain analytes. No analytes were detected in the eight equipment rinsate blanks other than trihalomethanes (chloroform, bromodichloromethane, and dibromochloromethane), typically found in disinfected water such as that used to make the equipment blank, indicating good data quality sufficient to meet data quality objectives.

One PE sample was collected during the September 2011 groundwater sampling event, per the Work Plan. This was coordinated with US EPA to provide an external review of laboratory performance. The PE sample was obtained from the US EPA Quality Assurance Technical Support Laboratory, operated for the US EPA by Shaw Environmental. The PE sample contained certified concentrations of the target compounds that were anticipated to be identified at OU3. The PE sample was submitted to the laboratory double-blind; the sample was introduced as part of the daily sampling event in the field and was analyzed by the laboratory with a field specific identity number of GW-Z1-1-091311. This process conformed to the requirements in the Work Plan.

Laboratory QC: Data were evaluated in terms of precision, accuracy, representativeness, comparability, and completeness (PARCC) parameters. The PARCC parameters were evaluated for the September 2011 groundwater data set as follows:

Precision: Precision was expressed as RPD between the results of replicate sample analyses: sample duplicates, laboratory control sample duplicates

(LCSD), and the MSD. When analyte RPDs exceeded acceptance criteria, results were flagged, as appropriate.

For the September 2011 sampling event, most LCSD and MSD results were reported within project control limits. If the LCSD or MSD sample results were reported outside of the project control limits, due to high or low surrogate recoveries, the data were flagged with either UJ or J. UJ indicates that the analyte was analyzed for but not detected; thus, the sample detection limit is an estimated value. J indicates that the reported result is an estimated value.

Accuracy: Accuracy was demonstrated by recovery of target analytes from spiked blank and sample matrices, laboratory control samples (LCSs), and MS samples. For organic methods, accuracy was also demonstrated through recovery of surrogates from each field and QC sample. The recovery of target analytes from spiked samples was compared to prescriptive acceptance criteria. When these criteria were not met, the data were flagged, as appropriate.

For the September 2011 sampling event, most of the LCS and MS sample results were reported within project control limits. The surrogate recoveries that were only marginally outside project control limits were flagged, but did not impact data usability.

Representativeness: Representativeness of the samples submitted for analysis was ensured by adherence to standard sampling techniques documented in the Work Plan.

Comparability: Comparability of sample results was ensured using approved sampling and analysis methods specified in the Work Plan.

Completeness: One of the samples, IN-MW-1, could not be collected because of a dry well, thus giving a 97 percent field completeness for the project. Based on results of data validation for the samples submitted for laboratory analysis, analytical completeness was approximately 99 percent. Analytical completeness was less than 100 percent due to qualification (i.e., addition of U and/or J flags) of some of the analytes for a small number of the samples. None of the flagged results were considered unusable; therefore, technical completeness was 100 percent.

In conclusion, the analytical results generally met the project PARCC objectives. No data for the environmental samples were rejected and any data quality issues, as discussed above, were identified. Therefore, the

results associated with the sampling event were of good quality and useable for the intended purpose.

3.4

DATA VALIDATION

A Tier 1 data validation was done on all laboratory data collected during the OU3 September 2011 monitoring event, and a Tier 3 data validation was done on 10 percent of the data, in accordance with the QAPP. Data validation was performed to evaluate the overall data quality and identify any non-conformances in field or laboratory activities. No samples collected during this monitoring event were flagged for 1,1-DCE or TCE analysis, although PCE and cis-1,2-DCE analyses were flagged for several samples. All laboratory and validation data qualifiers are summarized in Table 6. The validation determined that all project requirements and completeness were met, and all data collected during the September 2011 groundwater monitoring event are valid to be used for decision-making purposes. A complete data validation report for the OU3 September 2011 semiannual groundwater monitoring event is provided in Appendix F.

This groundwater report contains non-OU3 laboratory analytical data transmitted to ERM from CRA (CRA 2011).

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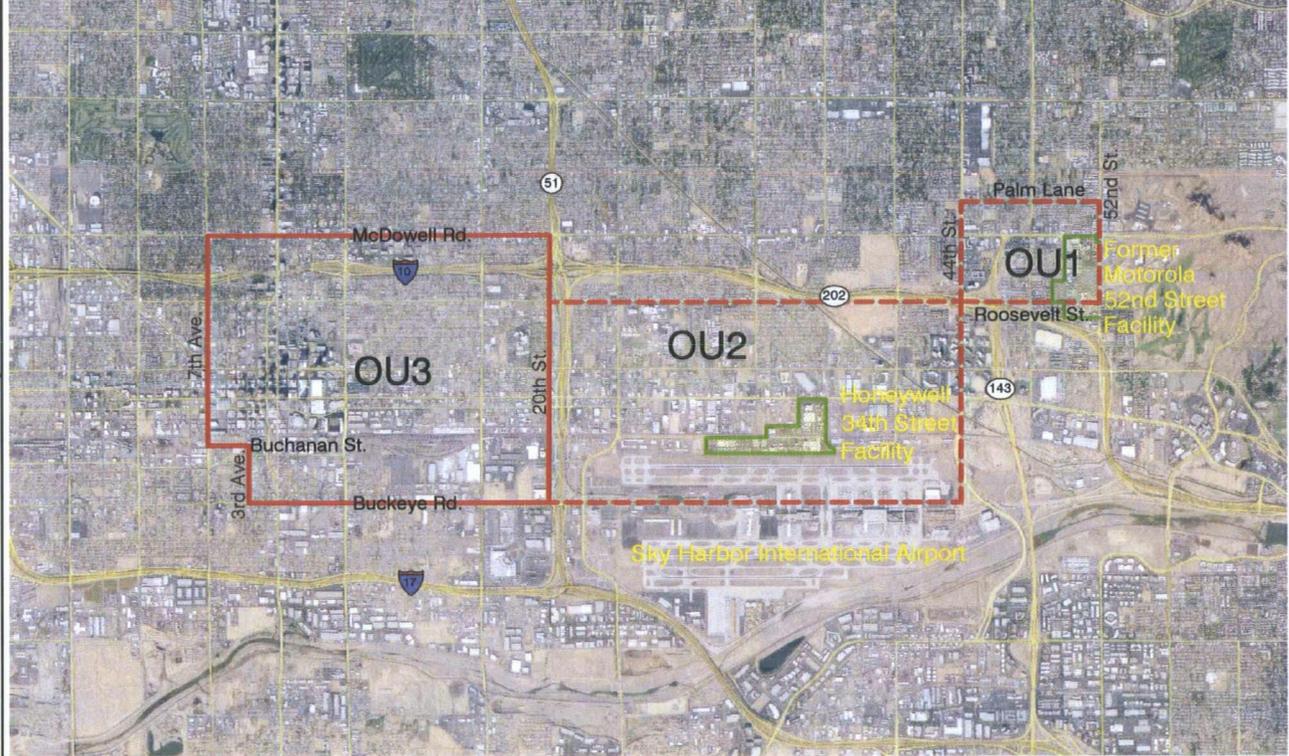
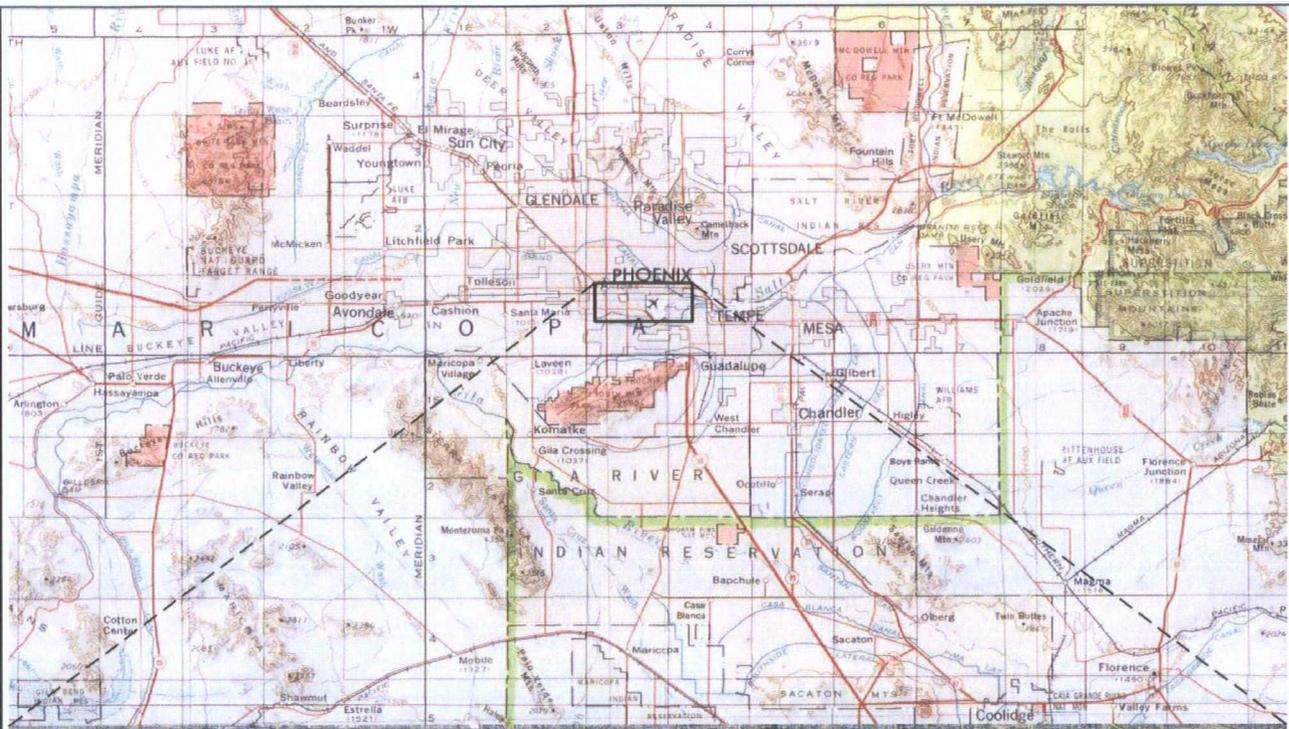
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Figures

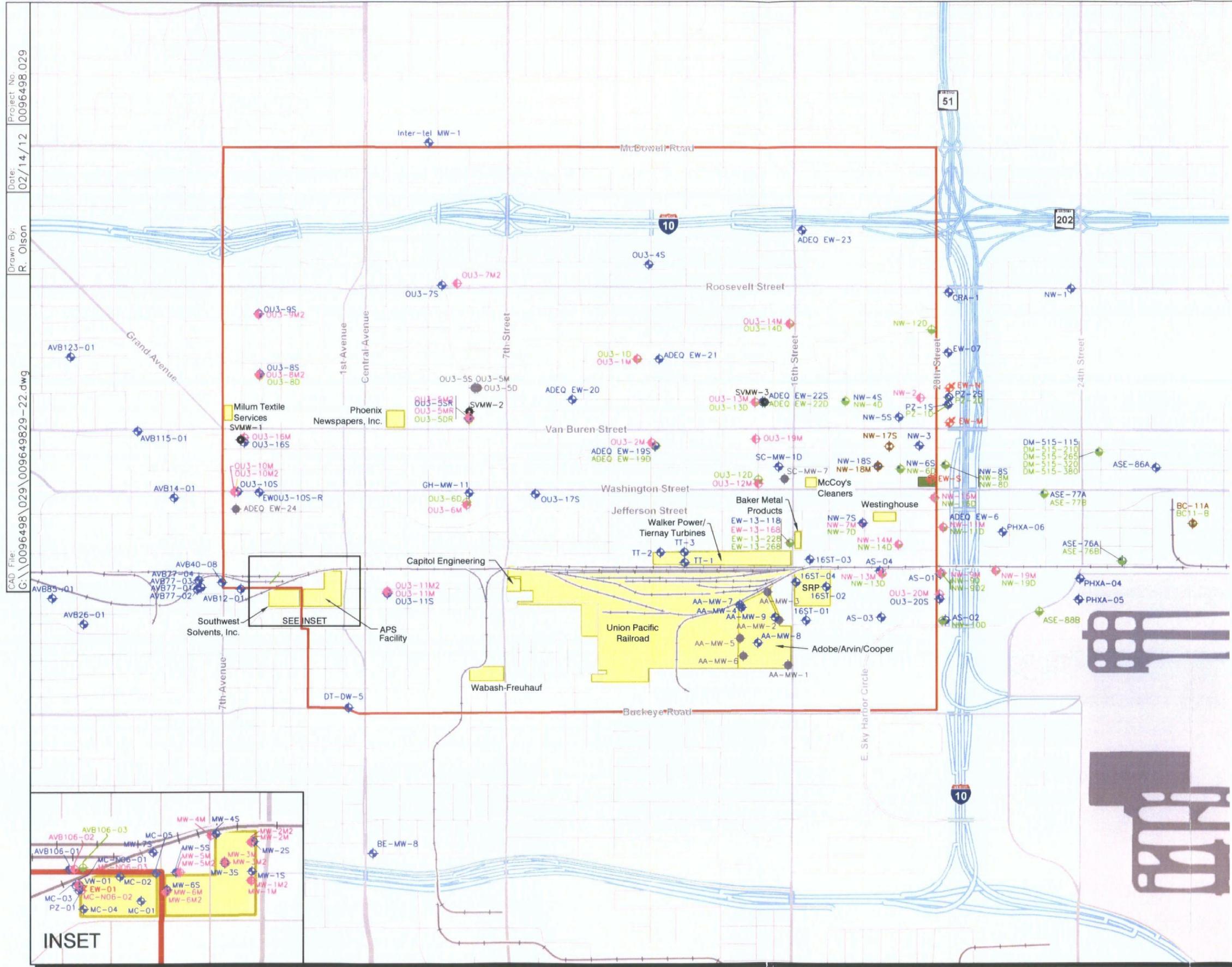
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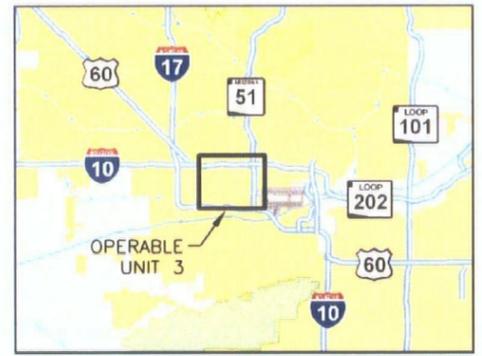
LEGEND
 ———— OU3 Boundary
 - - - - - OU1 and OU2 Boundary

References:
 TOPO!® Software
 U.S.G.S. 500k Map Series; Phoenix, Arizona
 Aerial Photo Source: © 2009 Google
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Figure 1
 Site Location Map
 Operable Unit 3
 Motorola 52nd Street Superfund Site
 Phoenix, Arizona



Project No. 0096498.029
 Date: 02/14/12
 Drawn By: R. Olson
 CAD File: C:\0096498\029\009649829-22.dwg



- LEGEND**
- Soil Vapor Monitoring Well
 - OU2 Groundwater Extraction Well
 - Abandoned Well
 - Salt River Gravels Sub-unit**
 - Upper Salt River Gravels (U-SRG) Groundwater Well
 - Upper Salt River Gravels (U-SRG) Piezometer
 - Lower Salt River Gravels (L-SRG) Groundwater Well
 - Basin Fill Sub-unit**
 - Groundwater Well
 - Colluvium Zone Groundwater Well
 - OU3 Boundary
 - OU2 Groundwater Treatment Facility
 - PRP Location

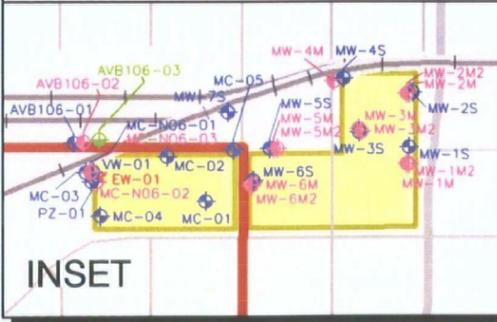
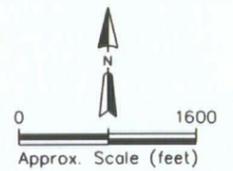
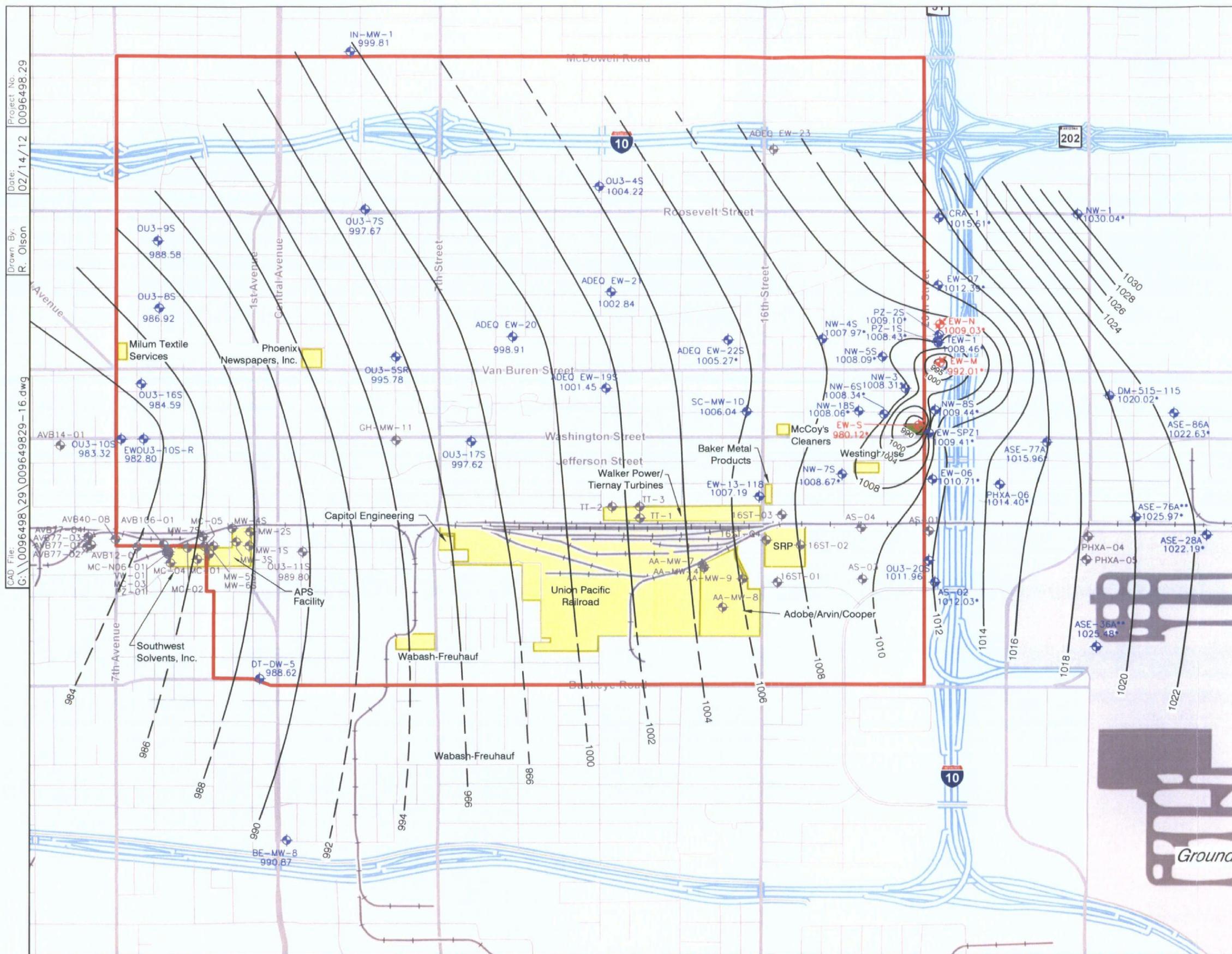


Figure 2
Well Locations
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona

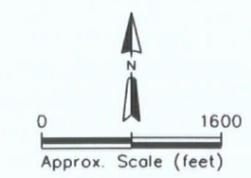


LEGEND

- ◆ Salt River Gravels Sub-unit
- ◆ Upper Salt River Gravels (U-SRG) Groundwater Well
- ◆ Upper Salt River Gravels (U-SRG) Piezometer
- ◆ OU2 Groundwater Extraction Well
- ◆ Well Not Monitored by the OU3 Working Group
- 996 — Groundwater Elevation Contour (ft amsl); Dashed Where Inferred; Contour Interval = 2 feet
- 995.97 Groundwater Elevation (ft amsl) in OU3 Monitoring Well, September 2011
- 1012.39* Groundwater Elevation (ft amsl) in CRA Monitoring Well, September 2011
- ** Not Used for Contouring
- NM Not Measured
- ft amsl Feet Above Mean Sea Level

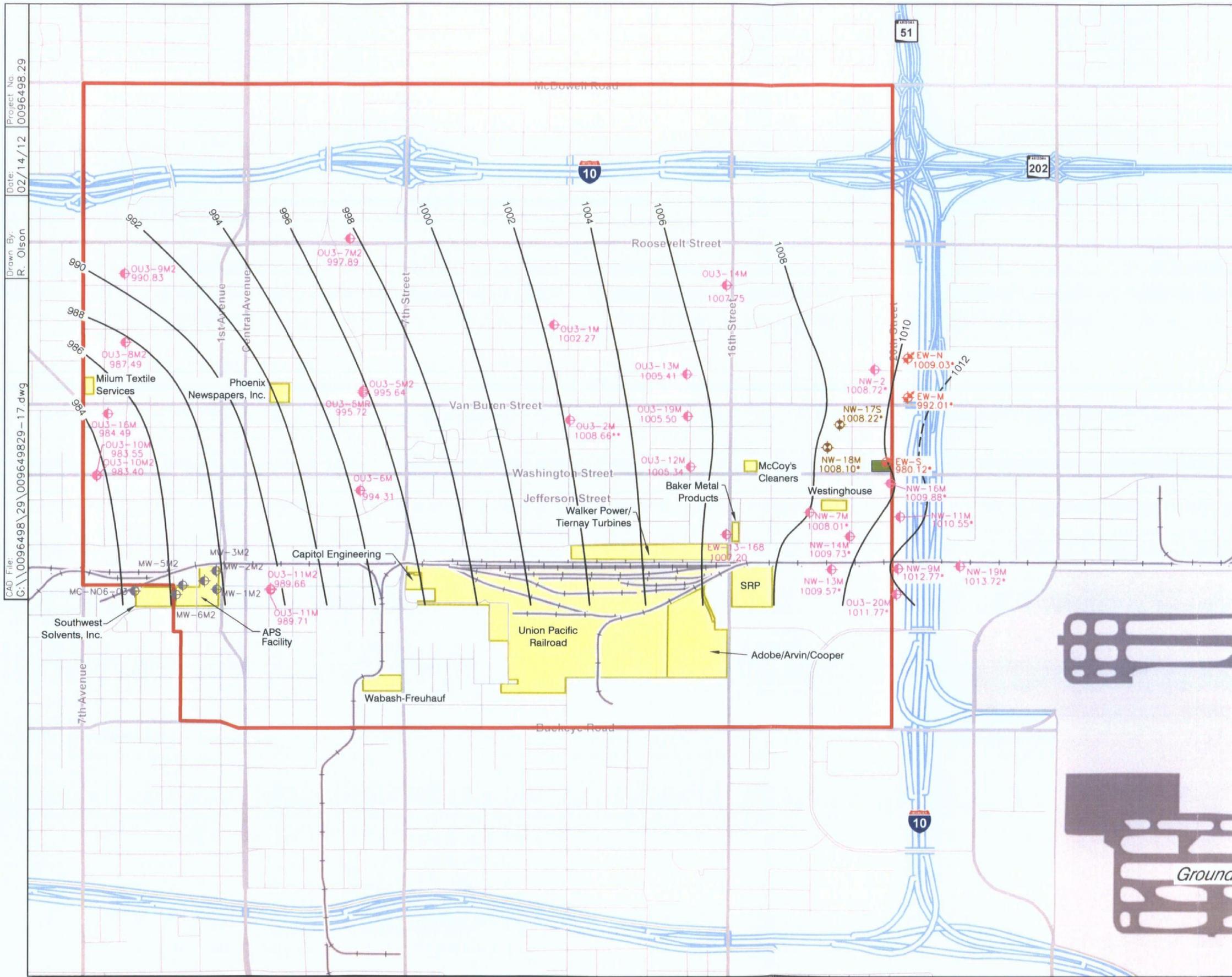
Note: Data for OU3-10S, OU3-16S, OU3-17S, and OU3-20S were reported from 3rd Quarter New Groundwater Wells Sampling Event - September 2011

- OU3 Boundary
- OU2 Groundwater Treatment Facility
- PRP Location



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Figure 3
 Upper Salt River Gravels Sub-unit
 Groundwater Contour Map - September 2011
 Operable Unit 3
 Motorola 52nd Street Superfund Site
 Phoenix, Arizona



Project No: 0096498.29
 Date: 02/14/12
 Drawn By: R. Olson
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LEGEND

Lower Salt River Gravels Sub-unit

- Lower Salt River Gravels (L-SRG) Groundwater Well
- Colluvium Zone Monitoring Well
- OU2 Groundwater Extraction Well, Not Used for Contouring
- Well Not Monitored by the OU3 Working Group

996 — Groundwater Elevation Contour (ft amsl); Dashed Where Inferred; Contour Interval = 2 feet

995.64 Groundwater Elevation (ft amsl) in OU3 Monitoring Well, September 2011

1010.55* Groundwater Elevation (ft amsl) in CRA Monitoring Well, September 2011

NM Not Measured

** Not Used for Contouring

ft amsl Feet Above Mean Sea Level

Note: Data for OU3-16M, OU3-19M, and OU3-20M were reported from 3rd Quarter New Groundwater Wells Sampling Event - September 2011

- OU3 Boundary
- OU2 Groundwater Treatment Facility
- PRP Location

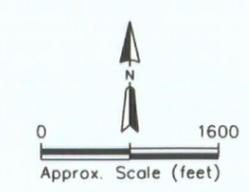
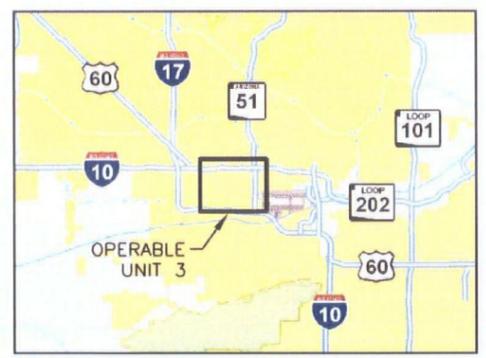
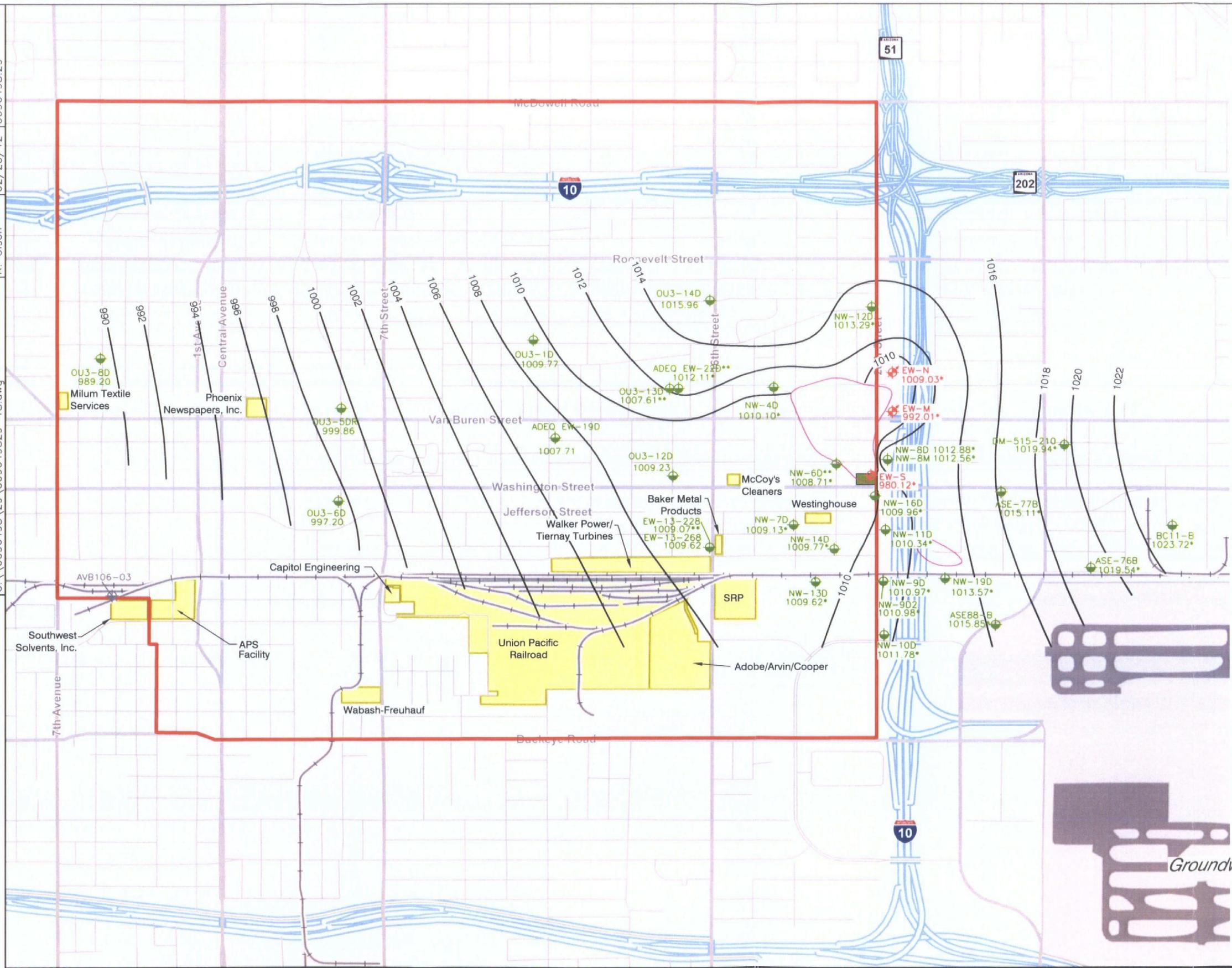


Figure 4
 Lower Salt River Gravels Sub-unit
 Groundwater Contour Map - September 2011
 Operable Unit 3
 Motorola 52nd Street Superfund Site
 Phoenix, Arizona

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 Date: 02/20/12
 Project No. 0096498.29



- LEGEND**
- Basin Fill Sub-unit**
- Monitoring Well
 - OU2 Groundwater Extraction Well, Not Used for Contouring
 - Well Not Monitored by the OU3 Working Group
 - 1010 Groundwater Elevation Contour (ft amsl); Contour Interval = 2 feet
 - 1009.77 Groundwater Elevation (ft amsl) in OU3 Monitoring Well, September 2011
 - 1010.97* Groundwater Elevation (ft amsl) in CRA Monitoring Well, September 2011
 - ** Not Used for Contouring
 - NM Not Measured
 - ft amsl Feet Above Mean Sea Level
 - Intersect of Basin Fill and Bedrock
 - OU3 Boundary
 - OU2 Groundwater Treatment Facility
 - PRP Location

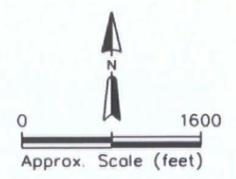
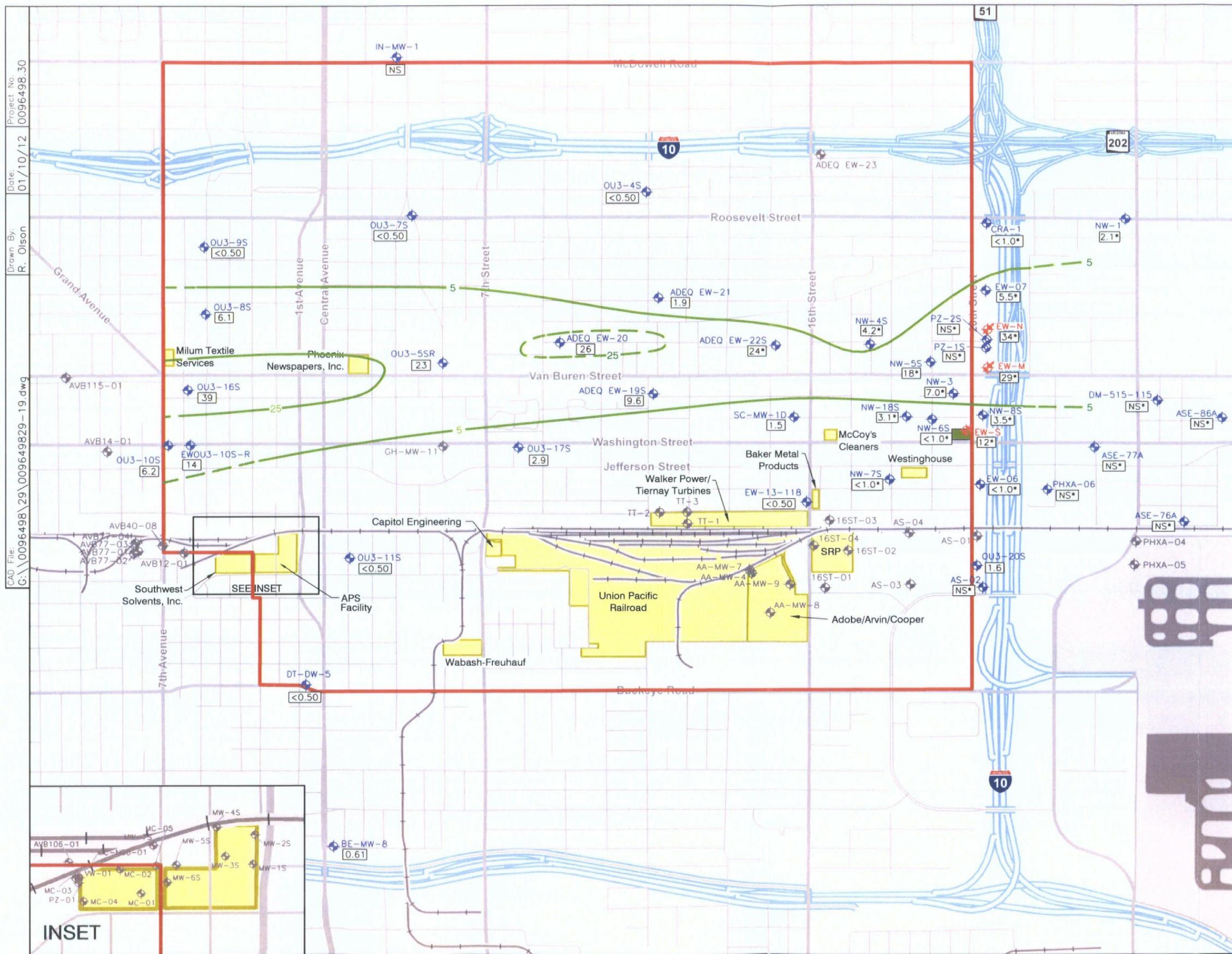


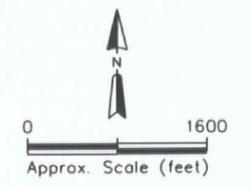
Figure 5
 Basin Fill Sub-unit
 Groundwater Contour Map - September 2011
 Operable Unit 3
 Motorola 52nd Street Superfund Site
 Phoenix, Arizona



- LEGEND:**
- Salt River Gravels Sub-unit
 - Upper Salt River Gravels (U-SRG) Groundwater Well
 - Upper Salt River Gravels (U-SRG) Piezometer
 - OU2 Groundwater Extraction Well, Not Used for Contouring
 - Well Not Monitored by the OU3 Working Group
 - TCE Concentration Contour; Dashed Where Inferred
 - TCE Concentration in OU3 Groundwater Monitoring Well, September 2011
 - TCE Concentration in CRA Monitoring Well, September 2011

Notes:
 All TCE concentrations in µg/L
 TCE = Trichloroethene
 µg/L = micrograms per liter
 <0.5 = TCE not detected above the laboratory reporting limit.
 NS = Not Sampled
 Data for OU3-10S, OU3-16S, OU3-17S, and OU3-20S were reported from 3rd Quarter New Groundwater Wells Sampling Event - September 2011

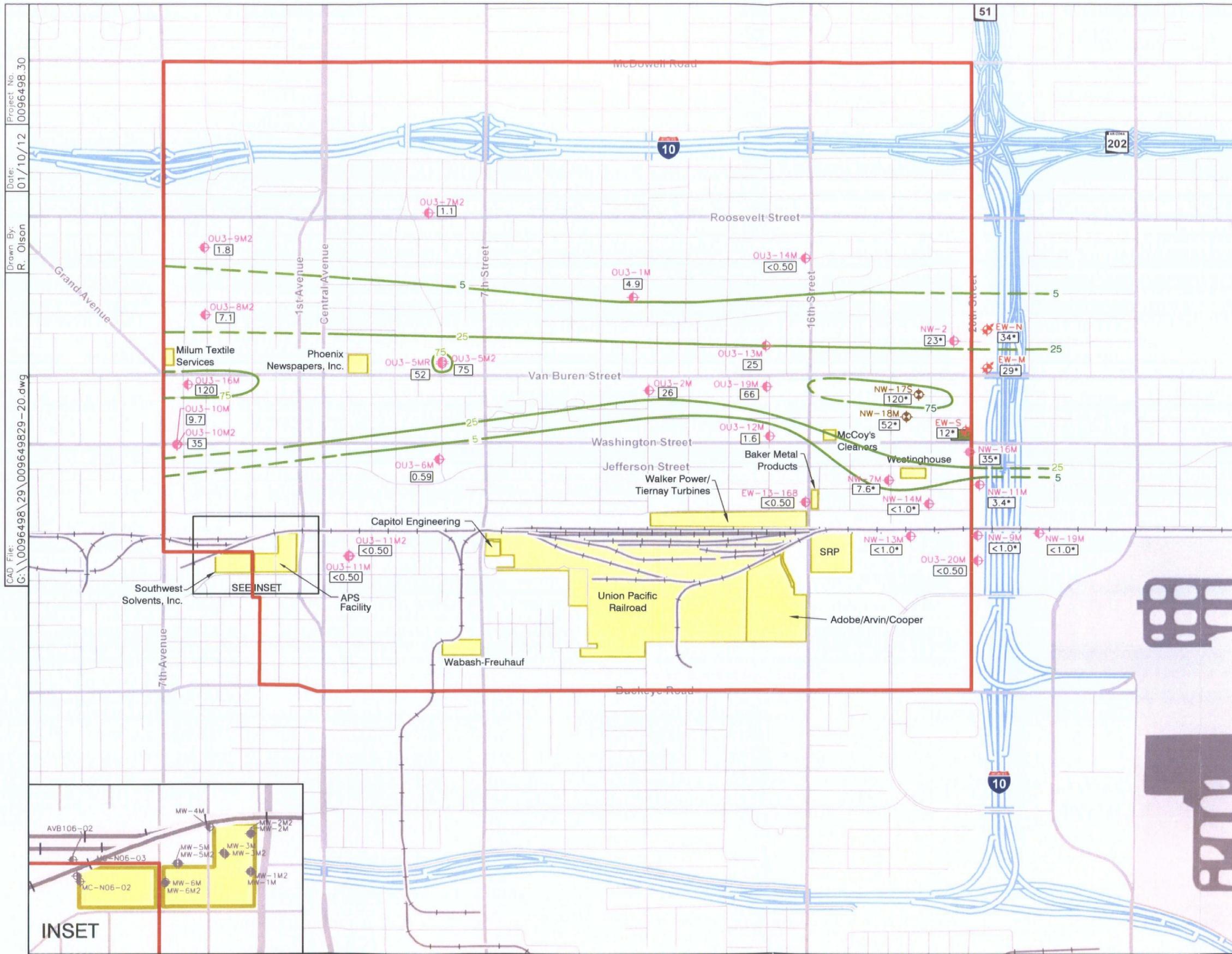
- OU3 Boundary
- OU2 Groundwater Treatment Facility
- PRP Location



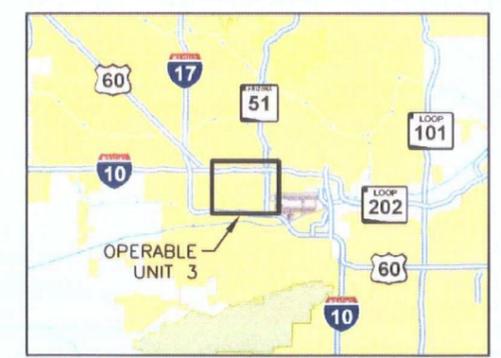
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Figure 6
 Upper Salt River Gravels Sub-unit
 TCE Contour Map - September 2011
 Operable Unit 3
 Motorola 52nd Street Superfund Site
 Phoenix, Arizona



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 Date: 01/10/12
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LEGEND

- Lower Salt River Gravels Sub-unit
- Lower Salt River Gravels (L-SRG) Groundwater Well
- Colluvium Zone Monitoring Well
- OU2 Groundwater Extraction Well; Not Used for Contouring
- Well Not Monitored by the OU3 Working Group
- TCE Concentration Contour; Dashed Where Inferred
- 110 TCE Concentration in OU3 Groundwater Monitoring Well, September 2011
- 1.9* TCE Concentration in CRA Monitoring Well, September 2011

Notes:
 All TCE concentrations in µg/L
 TCE = Trichloroethene
 µg/L = micrograms per liter
 <0.5 = TCE not detected above the laboratory reporting limit
 NS = Not Sampled
 Data for OU3-16M, OU3-19M, and OU3-20M were reported from 3rd Quarter New Groundwater Wells Sampling Event - September 2011

- OU3 Boundary
- OU2 Groundwater Treatment Facility
- PRP Location

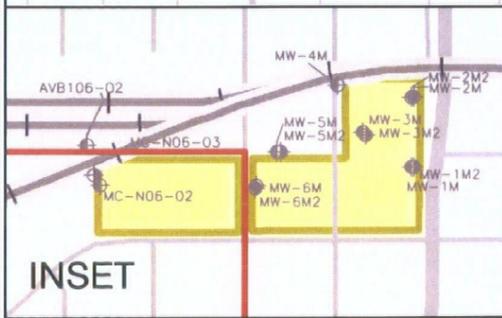
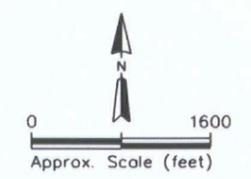
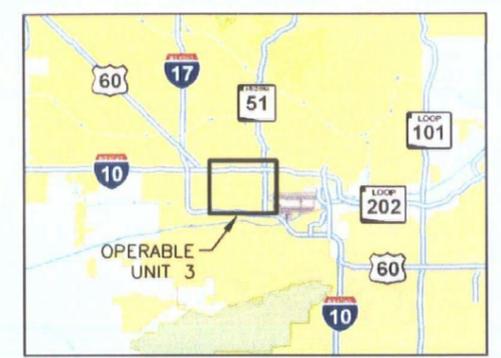
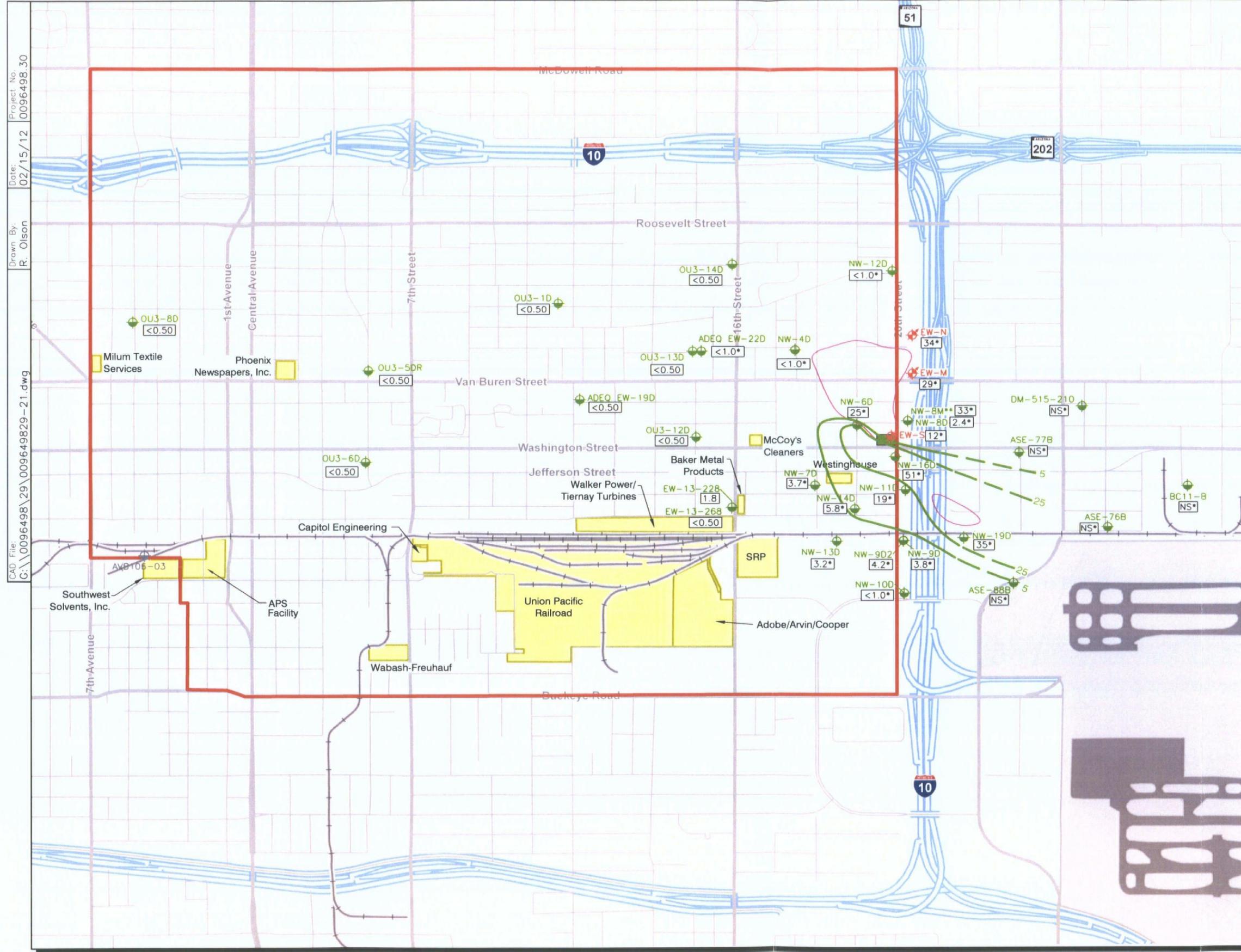


Figure 7
 Lower Salt River Gravels Sub-unit
 TCE Contour Map - September 2011
 Operable Unit 3
 Motorola 52nd Street Superfund Site
 Phoenix, Arizona



LEGEND

- Basin Fill Sub-unit
- Monitoring Well
- OU2 Groundwater Extraction Well; Not Used for Contouring
- Well Not Monitored by the OU3 Working Group
- TCE Concentration Contour; Dashed Where Inferred
- Intersection of Basin Fill and Bedrock
- OU3 Boundary
- OU2 Groundwater Treatment Facility
- PRP Location

Notes:
 All TCE concentrations in µg/L
 TCE = Trichloroethene
 µg/L = micrograms per liter
 <0.5 = TCE not detected above the laboratory reporting limit
 NS = Not Sampled
 ** = Not Used for Contouring

Concentration Data:
 <0.50 TCE Concentration in OU3 Groundwater Monitoring Well, September 2011
 2.1 TCE Concentration in CRA Monitoring Well, September 2011

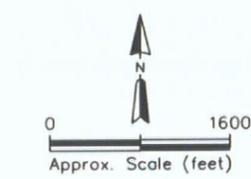


Figure 8
 Basin Fill Sub-unit
 TCE Contour Map - September 2011
 Operable Unit 3
 Motorola 52nd Street Superfund Site
 Phoenix, Arizona

Project No: 0096498.30
 Date: 02/15/12
 Drawn By: R. Olson
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Tables

Table 2
Monitoring Well Construction Details
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona

| Well ID | Hydrostratigraphic Zone ¹ | Latitude | Longitude | Top of Casing Elevation | Top of Screened Interval | Bottom of Screened Interval | Total Depth | Casing Diameter |
|-------------|--------------------------------------|----------|-----------|-------------------------|--------------------------|-----------------------------|-------------|-----------------|
| Units | | | | ft amsl | ft bgs | ft bgs | ft bgs | (Inches) |
| BE-MW-8 | U-SRG | 33.4300 | -112.0700 | 1076.35 | 75 | 105 | 105 | 4 |
| DT-DW-5 | U-SRG | 33.4370 | -112.0747 | 1077.90 | 59 | 99 | 99 | 2 |
| EWOU3-10S-R | U-SRG | 33.4480 | -112.0809 | 1081.62 | 60 | 100 | 102 | 4 |
| EW-13-118 | U-SRG | 33.4454 | -112.0478 | 1092.71 | 114.5 | 119.5 | 309 | 4 |
| EW-13-168 | L-SRG | 33.4454 | -112.0478 | 1092.71 | 164.5 | 169.5 | 309 | 4 |
| EW-13-228 | BF | 33.4454 | -112.0478 | 1092.71 | 224.5 | 229.5 | 309 | 4 |
| EW-13-268 | BF | 33.4454 | -112.0478 | 1092.71 | 264.5 | 269.5 | 309 | 4 |
| EW-19S | U-SRG | 33.4504 | -112.0561 | 1087.32 | 57 | 107 | 112 | 4 |
| EW-19D | BF | 33.4504 | -112.0561 | 1087.34 | 247 | 267 | 270 | 4 |
| EW-20 | U-SRG | 33.4528 | -112.0561 | 1091.38 | 59 | 109 | 109 | 4 |
| EW-21 | U-SRG | 33.4548 | -112.0558 | 1094.24 | 58 | 108 | 108 | 4 |
| GH-MW-11 | U-SRG | 33.4480 | -112.0673 | 1083.30 | 50 | 100 | 100.9 | 4 |
| IN-MW-1 | U-SRG | 33.4659 | -112.0698 | 1088.38 | 70 | 90 | 90 | 4 |
| SC-MW-1D | U-SRG | 33.4487 | -112.0482 | 1092.39 | 83 | 123 | 125 | 4 |
| OU3-1M | L-SRG | 33.4548 | -112.0571 | 1093.30 | 140 | 160 | 162 | 4 |
| OU3-1D | BF | 33.4548 | -112.0572 | 1093.09 | 235 | 255 | 259 | 4 |
| OU3-2M | L-SRG | 33.4506 | -112.0563 | 1087.97 | 150 | 170 | 175 | 4 |
| OU3-4S | U-SRG | 33.4597 | -112.0565 | 1094.74 | 59.2 | 110 | 110 | 4 |
| OU3-5SR | U-SRG | 33.4518 | -112.0674 | 1087.28 | 69.7 | 119.7 | 120 | 4 |
| OU3-5MR | L-SRG | 33.4518 | -112.0674 | 1087.37 | 148.7 | 168.7 | 169 | 4 |
| OU3-5M2 | L-SRG | 33.4519 | -112.0674 | 1087.24 | 202.7 | 222.7 | 253 | 4 |
| OU3-5DR | BF | 33.4517 | -112.0674 | 1087.35 | 232.7 | 252.7 | 253 | 4 |
| OU3-6M | L-SRG | 33.4474 | -112.0675 | 1083.66 | 152 | 172 | 172.5 | 4 |
| OU3-6D | BF | 33.4475 | -112.0675 | 1083.77 | 230 | 250 | 261 | 4 |
| OU3-7S | U-SRG | 33.4586 | -112.069 | 1085.29 | 60 | 110 | 112 | 4 |
| OU3-7M2 | L-SRG | 33.4587 | -112.0681 | 1085.59 | 195 | 215 | 221 | 4 |
| OU3-8S | U-SRG | 33.4541 | -112.0802 | 1080.05 | 59.9 | 110.5 | 110.5 | 4 |
| OU3-8M2 | L-SRG | 33.4540 | -112.0802 | 1080.39 | 205.5 | 225.6 | 228 | 4 |
| OU3-8D | BF | 33.4540 | -112.0802 | 1080.00 | 260.5 | 270 | 273 | 4 |
| OU3-9S | U-SRG | 33.4572 | -112.0802 | 1080.55 | 59.6 | 110.2 | 110.5 | 4 |
| OU3-9M2 | L-SRG | 33.4571 | -112.0802 | 1080.74 | 219.7 | 229.7 | 235 | 4 |
| OU3-10M | L-SRG | 33.4480 | -112.0817 | 1082.25 | 146.7 | 166.7 | 170 | 4 |
| OU3-10M2 | L-SRG | 33.4480 | -112.0817 | 1082.29 | 199.2 | 219.2 | 225 | 4 |
| OU3-11S | U-SRG | 33.4428 | -112.0723 | 1078.26 | 69.7 | 119.7 | 123 | 4 |
| OU3-11M | L-SRG | 33.4429 | -112.0723 | 1078.25 | 153.7 | 173.7 | 178 | 4 |
| OU3-11M2 | L-SRG | 33.4429 | -112.0723 | 1078.05 | 196.7 | 216.7 | 230 | 4 |
| OU3-12M | L-SRG | 33.4485 | -112.0498 | 1090.79 | 146.7 | 166.7 | 170 | 4 |
| OU3-12D | BF | 33.4487 | -112.0498 | 1090.77 | 245.6 | 265.6 | 396 | 4 |
| OU3-13M | L-SRG | 33.4526 | -112.0500 | 1095.75 | 154.7 | 174.7 | 175 | 4 |
| OU3-13D | BF | 33.4526 | -112.0500 | 1095.71 | 224.7 | 244.7 | 250 | 4 |
| OU3-14M | L-SRG | 33.4566 | -112.0479 | 1099.05 | 145.7 | 165.7 | 168 | 4 |
| OU3-14D | BF | 33.4566 | -112.0478 | 1099.14 | 231.2 | 251.2 | 251.5 | 4 |

Notes:

amsl = above mean sea level
bgs = below ground surface
ft = feet
U-SRG = Upper Salt River Gravel Sub-unit
L-SRG = Lower Salt River Gravel Sub-unit

BF = Basin Fill Sub-unit
Well data information taken from the March 2009 Groundwater Monitoring Report - Operable Unit 3 by Shaw Environmental, Inc. (Shaw 2010).
Hydrostratigraphic zones are from the Site-wide Lithology Table revised June 8, 2011.
¹Although wells OU3-5M2, OU3-9M2, and OU3-11M2 are screened across portions of SRG and BF, they are classified as SRG wells for mapping purposes.

Table 3
 September 2011 Groundwater Sampling Event
 Groundwater Elevations Summary
 Operable Unit 3
 Motorola 52nd Street Superfund Site
 Phoenix, Arizona

| Well ID | Hydrostratigraphic Zone ¹ | Gauging Date | Top of Casing Elevation | Screened Interval | Depth To Water | Groundwater Elevation | Groundwater Elevation Change |
|-------------|--------------------------------------|--------------|-------------------------|-------------------|----------------|-----------------------|------------------------------|
| | | | ft amsl | ft bgs | ft btoc | ft amsl | (From March 2011) |
| BE-MW-8 | U-SRG | 9/6/2011 | 1,076.35 | 75-105 | 85.48 | 990.87 | -6.82 |
| DT-DW-5 | U-SRG | 9/6/2011 | 1,077.90 | 59-99 | 89.28 | 988.62 | -8.31 |
| EWOU3-10S-R | U-SRG | 9/6/2011 | 1,081.62 | 60-100 | 98.82 | 982.80 | -8.56 |
| EW-13-118 | U-SRG | 9/16/2011 | 1,092.71 | 114.5-119.5 | 85.52 | 1,007.19 | -2.17 |
| EW-13-168 | L-SRG | 9/16/2011 | 1,092.71 | 164.5-169.5 | 85.51 | 1,007.20 | -2.08 |
| EW-13-228 | BF | 9/16/2011 | 1,092.71 | 224.5-229.5 | 83.64 | 1,009.07 | -2.19 |
| EW-13-268 | BF | 9/16/2011 | 1,092.71 | 264.5-269.5 | 83.09 | 1,009.62 | -2.40 |
| EW-19S | U-SRG | 9/6/2011 | 1,087.32 | 57-107 | 85.87 | 1,001.45 | -3.78 |
| EW-19D | BF | 9/6/2011 | 1,087.34 | 247-267 | 79.63 | 1,007.71 | -6.07 |
| EW-20 | U-SRG | 9/6/2011 | 1,091.38 | 59-109 | 92.47 | 998.91 | -3.94 |
| EW-21 | U-SRG | 9/6/2011 | 1,094.24 | 58-108 | 91.40 | 1,002.84 | -3.35 |
| IN-MW-1 | U-SRG | 9/6/2011 | 1,088.38 | 70-90 | 88.57 | 999.81 | -0.71 |
| SC-MW-1D | U-SRG | 9/6/2011 | 1,092.39 | 83-123 | 86.35 | 1,006.04 | -3.33 |
| OU3-1M | L-SRG | 9/6/2011 | 1,093.30 | 140-160 | 91.03 | 1,002.27 | -3.07 |
| OU3-1D | BF | 9/6/2011 | 1,093.09 | 235-255 | 83.32 | 1,009.77 | -5.00 |
| OU3-2M | L-SRG | 9/6/2011 | 1,094.74 | 59.2-110 | 86.08 | 1,008.66 | -3.63 |
| OU3-4S | U-SRG | 9/6/2011 | 1,094.74 | 59.2-110 | 90.52 | 1,004.22 | -2.19 |
| OU3-5SR | U-SRG | 9/6/2011 | 1,087.28 | 69.7-119.7 | 91.50 | 995.78 | -4.77 |
| OU3-5MR | L-SRG | 9/6/2011 | 1,087.37 | 148.7-168.7 | 91.65 | 995.72 | -4.81 |
| OU3-5M2 | L-SRG | 9/6/2011 | 1,087.24 | 202.7-222.7 | 91.60 | 995.64 | -4.84 |
| OU3-5DR | BF | 9/6/2011 | 1,087.35 | 232.7-252.7 | 87.49 | 999.86 | -1.26 |
| OU3-6M | L-SRG | 9/6/2011 | 1,083.66 | 152-172 | 89.35 | 994.31 | -5.88 |
| OU3-6D | BF | 9/6/2011 | 1,083.77 | 230-250 | 86.57 | 997.20 | -6.51 |
| OU3-7S | U-SRG | 9/6/2011 | 1,085.29 | 60-110 | 87.62 | 997.67 | -3.13 |
| OU3-7M2 | L-SRG | 9/6/2011 | 1,085.59 | 195-215 | 87.70 | 997.89 | -3.17 |
| OU3-8S | U-SRG | 9/6/2011 | 1,080.05 | 59.9-110.5 | 93.13 | 986.92 | -6.52 |
| OU3-8M2 | L-SRG | 9/6/2011 | 1,080.39 | 205.5-225.6 | 92.90 | 987.49 | -6.59 |
| OU3-8D | BF | 9/6/2011 | 1,080.00 | 260.5-270 | 90.80 | 989.20 | -8.28 |
| OU3-9S | U-SRG | 9/6/2011 | 1,080.55 | 59.6-110.2 | 91.97 | 988.58 | -5.32 |
| OU3-9M2 | L-SRG | 9/6/2011 | 1,080.74 | 219.7-229.7 | 89.91 | 990.83 | -3.38 |
| OU3-10M | L-SRG | 9/6/2011 | 1,082.25 | 146.7-166.7 | 98.70 | 983.55 | -8.63 |
| OU3-10M2 | L-SRG | 9/6/2011 | 1,082.29 | 199.2-219.2 | 98.89 | 983.40 | -8.92 |
| OU3-11S | U-SRG | 9/6/2011 | 1,078.26 | 69.7-119.7 | 88.46 | 989.80 | -7.66 |
| OU3-11M | L-SRG | 9/6/2011 | 1,078.25 | 153.7-173.7 | 88.54 | 989.71 | -7.61 |
| OU3-11M2 | L-SRG | 9/7/2011* | 1,078.05 | 196.7-216.7 | 88.39 | 989.66 | -7.64 |
| OU3-12M | L-SRG | 9/6/2011 | 1,090.79 | 146.7-166.7 | 85.45 | 1,005.34 | -3.46 |
| OU3-12D | BF | 9/6/2011 | 1,090.77 | 245.6-265.6 | 81.54 | 1,009.23 | -4.84 |
| OU3-13M | L-SRG | 9/6/2011 | 1,095.75 | 154.7-174.7 | 90.34 | 1,005.41 | -3.04 |
| OU3-13D | BF | 9/6/2011 | 1,095.71 | 224.7-244.7 | 88.10 | 1,007.61 | -3.79 |
| OU3-14M | L-SRG | 9/6/2011 | 1,099.05 | 145.7-165.7 | 91.30 | 1,007.75 | -2.19 |
| OU3-14D | BF | 9/6/2011 | 1,099.14 | 231.2-251.2 | 83.18 | 1,015.96 | -3.83 |
| | | | | | | Average = | -4.72 |

Notes:

amsl = above mean sea level

btoc = below top of casing

bgs = below ground surface

ft = feet

U-SRG = Salt River Gravels Sub-unit

L-SRG = Lower Salt River Gravels Sub-unit

BF = Basin Fill Sub-unit

Well information taken from the March 2009 Groundwater Monitoring Report - Operable Unit 3 by Shaw Environmental, Inc. (Shaw 2010).

Hydrostratigraphic zones are from the Site-wide Lithology Table revised June 8, 2011.

¹Although wells OU3-5M2, OU3-9M2, and OU3-11M2 are screened across portions of SRG and BF, they are classified as SRG wells for mapping purposes.

*Not gauged, vehicle parked on well. Gauged at a later date.

Table 6
September 2011 Groundwater Sampling Event
Analytical Data Summary
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona

| Well ID | Hydrostratigraphic Zone ¹ | Sample Date | Screened Interval | TCE | PCE | cis-1,2-DCE | 1,1-DCA | 1,1-DCE | 1,4-Dioxane |
|-------------|--------------------------------------|-------------|-------------------|--------|-----------|-------------|---------|---------|-------------|
| Units | | | ft bloc | ug/l | ug/l | ug/l | ug/l | ug/l | ug/l |
| AWQS | | | 5 | 5 | 5 | 70 | NA | 7 | NA |
| BE-MW-8 | U-SRG | 9/12/2011 | 75-105 | 0.81 | 5.2 | < 0.50 | < 0.50 | < 0.50 | < 1.0 |
| DT-DW-5 | U-SRG | 9/16/2011 | 59-99 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | 1.2 |
| EW-13-118 | U-SRG | 9/20/2011 | 114.5-119.5 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 1.0 |
| EW-13-188 | L-SRG | 9/16/2011 | 164.5-169.5 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 1.2 |
| EW-13-228 | BF | 9/16/2011 | 224.5-229.5 | 1.8 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 1.2 |
| EW-13-288 | BF | 9/16/2011 | 284.5-289.5 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 1.2 |
| EW-19D | BF | 9/15/2011 | 247-267 | < 0.50 | < 0.50 UJ | < 0.50 | < 0.50 | < 0.50 | < 1.0 |
| EW-19S | U-SRG | 9/15/2011 | 57-107 | 9.6 | 0.69 J | 2.4 | 1.8 | 2.5 | 1.2 |
| EW-20 | U-SRG | 9/15/2011 | 59-109 | 28 | 1.1 J | 5.2 | 3.4 | 2.6 | 1.5 |
| EW-20-Q1 | U-SRG | 9/15/2011 | 59-109 | 24 | 1.2 J | 5.2 | 3.2 | 3.2 | 1.5 |
| EW-21 | U-SRG | 9/12/2011 | 58-108 | 1.9 | < 0.50 | < 0.50 UJ | < 0.50 | < 0.50 | < 1.0 |
| EWOU3-10S-R | U-SRG | 9/13/2011 | 60-100 | 14 | 0.79 | 2.2 | 2.1 | < 0.50 | 1.8 |
| OU3-1M | L-SRG | 9/12/2011 | 140-180 | 4.9 | < 0.50 | 0.70 J | < 0.50 | < 0.50 | < 1.0 |
| OU3-1D | BF | 9/12/2011 | 235-255 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 1.0 |
| OU3-2M | L-SRG | 9/15/2011 | 150-170 | 26 | 1.1 J | 5.5 | 3.4 | 5.8 | 1.8 |
| OU3-4S | U-SRG | 9/8/2011 | 59.2-110 | < 0.50 | 2.5 | < 0.50 | < 0.50 | < 0.50 | < 1.0 |
| OU3-5SR | U-SRG | 9/14/2011 | 69.7-119.7 | 23 | 1.1 | 5.1 | 3.3 | 3.8 | 1.8 |
| OU3-5MR | L-SRG | 9/14/2011 | 148.7-188.7 | 52 | 2.2 | 10 | 5.1 | 6.7 | 2.1 |
| OU3-5MR-Q1 | L-SRG | 9/14/2011 | 148.7-188.7 | 48 | 2.0 | 9.7 | 4.8 | 6.7 | 2.1 |
| OU3-5M2 | L-SRG | 9/14/2011 | 202.7-222.7 | 75 | 3.2 | 14 | 5.2 | 7.9 | 2.3 |
| OU3-5DR | BF | 9/14/2011 | 232.7-252.7 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 1.0 |
| OU3-6M | L-SRG | 9/12/2011 | 152-172 | 0.59 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 1.0 |
| OU3-8D | BF | 9/12/2011 | 230-250 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 1.0 |
| OU3-7S | U-SRG | 9/8/2011 | 60-110 | < 0.50 | 2.8 | < 0.50 | < 0.50 | < 0.50 | < 1.0 |
| OU3-7M2 | L-SRG | 9/8/2011 | 195-215 | 1.1 | 1.5 | < 0.50 | < 0.50 | < 0.50 | < 1.0 |
| OU3-8S | U-SRG | 9/13/2011 | 59.9-110.5 | 6.1 | 0.82 | 0.86 | < 0.50 | < 0.50 | < 1.2 |
| OU3-8M2 | L-SRG | 9/13/2011 | 205.5-225.8 | 7.1 | < 0.50 | 0.54 | < 0.50 | < 0.50 | < 1.0 |
| OU3-8D | BF | 9/13/2011 | 260.5-270 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 1.0 |
| OU3-9S | U-SRG | 9/9/2011 | 59.2-110.2 | < 0.50 | 1.4 | < 0.50 | < 0.50 | < 0.50 | < 1.0 |
| OU3-9M2 | L-SRG | 9/9/2011 | 219.7-229.7 | 1.8 | 3.3 | < 0.50 | < 0.50 | < 0.50 | < 1.0 |
| OU3-10M | L-SRG | 9/13/2011 | 148.7-188.7 | 9.7 | 0.58 | 2.5 | 2.1 | 2.8 | 1.4 |
| OU3-10M2 | L-SRG | 9/13/2011 | 199.2-219.2 | 35 | 1.9 | 6.9 | 5.4 | 9.4 | 3.1 |
| OU3-10M2-Q1 | L-SRG | 9/13/2011 | 199.2-219.2 | 33 | 1.8 | 6.5 | 5.2 | 8.8 | 3.0 |
| OU3-11S | U-SRG | 9/14/2011 | 69.7-119.7 | < 0.50 | 1.0 | < 0.50 | < 0.50 | < 0.50 | < 1.0 |
| OU3-11M | L-SRG | 9/14/2011 | 153.7-173.7 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | 1.1 |
| OU3-11M2 | L-SRG | 9/14/2011 | 198.7-218.7 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 1.0 |
| OU3-12M | L-SRG | 9/9/2011 | 148.7-188.7 | 1.6 | < 0.50 | < 0.50 | < 0.50 | 1.1 | < 1.0 |
| OU3-12D | BF | 9/9/2011 | 245.8-265.8 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 1.0 |
| OU3-13M | L-SRG | 9/15/2011 | 154.7-174.7 | 25 | 0.57 J | 2.4 | < 0.50 | < 0.50 | < 1.0 |
| OU3-13D | BF | 9/15/2011 | 224.7-244.7 | < 0.50 | < 0.50 UJ | < 0.50 | < 0.50 | < 0.50 | < 1.0 |
| OU3-14M | L-SRG | 9/8/2011 | 145.7-185.7 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 1.0 |
| OU3-14D | BF | 9/8/2011 | 231.2-251.2 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | < 1.0 |
| SC-MW-1D | U-SRG | 9/9/2011 | 83-123 | 1.5 | < 0.50 | < 0.50 | 0.81 | 0.81 | < 1.0 |

Notes:

1,1-DCA = 1,1-Dichloroethane
1,1-DCE = 1,1-Dichloroethene
cis-1,2-DCE = cis-1,2-Dichloroethene
PCE = Tetrachloroethene
TCE = Trichloroethene
amsl = above mean sea level
AWQS = Arizona Water Quality Standards
BOLD = greater than or equal to the ADEQ AWQS
EPA = Environmental Protection Agency
ft = feet
bgs = below ground surface
btoc = below top of casing

ug/L = micrograms per liter
NA = not applicable or no standard
< = concentration is less than indicated detectable value
UJ = indicates a nondetect result estimated at the laboratory report limit
J = indicates an estimated detect result
J' = indicates a nondetect result flagged as an estimated detect result, as per data validation report
Q1 = sample is field duplicate

BF = Basin Fill Sub-unit
U = Upper Salt River Gravels Sub-unit
L = Lower Salt River Gravels Sub-unit

Well information taken from the March 2009 Groundwater Monitoring Report - Operable Unit 3 by Shaw Environmental, Inc. (Shaw 2010).
Hydrostratigraphic zones are from the Sitewide Lithology Table revised June 8, 2011.
¹Although wells OU3-5M2, OU3-9M2, and OU3-11M2 are screened across portions of SRG and BF, they are classified as SRG wells for mapping purposes.

Table 7
 September 2011 Groundwater Sampling Event
 Non-OU3 Program Monitoring Well Construction Details,
 Groundwater Depths, and TCE Concentrations
 Operable Unit 3
 Motorola 52nd Street Superfund Site
 Phoenix, Arizona

| Well ID | Hydrostratigraphic Zone ¹ | Top of Casing Elevation | Top of Screened Interval | Bottom of Screened Interval | Total Depth | Groundwater Elevation | TCE |
|------------|--------------------------------------|-------------------------|--------------------------|-----------------------------|-------------|-----------------------|---------|
| Units | | ft amsl | ft bgs | ft bgs | ft bgs | ft amsl | µg/l |
| AWQS | | | | | | | 5 |
| AS-02 | U-SRG | 1099.67 | 50 | 90 | — | 1012.03 | — |
| ASE-28A | U-SRG | 1108.28 | — | — | — | 1022.19 | — |
| ASE-36A | U-SRG | 1102.58 | 69 | 99 | — | 1018.36 | — |
| ASE-76A | U-SRG | 1105.42 | 80 | 130 | 130 | 1019.79 | — |
| ASE-76B | BF | 1105.34 | 180 | 230 | 265 | 1019.54 | — |
| ASE-77A | U-SRG | 1101.86 | 85 | 115 | 115 | 1015.96 | — |
| ASE-77B | BF | 1101.76 | 180 | 230 | 258 | 1015.11 | — |
| ASE-86A | U-SRG | 1106.07 | 86 | 126 | — | 1022.63 | — |
| ASE-88B | BF | 1103.08 | 175 | 215 | 230 | 1015.85 | — |
| BC11-B | BF | 1111.25 | 135 | 160 | — | 1023.72 | — |
| CRA-1 | U-SRG | 1106.48 | 105.5 | 125.5 | 270 | 1015.61 | <1.0 |
| DM-515-115 | U-SRG | 1103.61 | 115 | — | — | 1020.02 | — |
| DM-515-210 | BF | 1103.61 | 210 | — | — | 1019.94 | — |
| EW-06 | U-SRG | 1097.57 | 61 | 111 | 112 | 1010.71 | <1.0 |
| EW-07 | U-SRG | 1104.99 | 78 | 128 | 129 | 1012.39 | 5.5 |
| EW-22D | BF | 1095.81 | 407 | 427 | 430 | 1012.11 | <1.0 |
| EW-22S | U-SRG | 1095.81 | 58 | 108 | 112 | 1005.27 | 24 |
| EW-SPZ1 | SRG* / BF | 1098.26 | 118 | 208 | — | 1009.41 | — |
| EW-M | SRG* / BF | 1103.61 | 86 | 206 | 233 | 992.01 | 29 |
| EW-N | SRG* / BF | 1110.78 | 100 | 220 | 240 | 1009.03 | 34 |
| EW-S | SRG* / BF / BR | 1100.37 | 94 | 194 | 215 | 980.12 | 12 |
| NW-1 | U-SRG | 1112.22 | 90 | 110 | 211 | 1030.04 | 2.1 |
| NW-2 | L-SRG | 1101.87 | 173 | 193 | 212 | 1008.72 | 23 |
| NW-3 | U-SRG | 1097.16 | 120 | 140 | 158 | 1008.31 | 7 |
| NW-4D | BF | 1099.92 | 182.5 | 202.5 | 221 | 1010.10 | <1.0 |
| NW-4S | U-SRG | 1099.96 | 90 | 130 | 221 | 1007.97 | 4.2 |
| NW-5S | U-SRG | 1099.98 | 88 | 128 | 147 | 1008.09 | 18 |
| NW-6D | BF | 1096.92 | 181.5 | 201.5 | 217.5 | 1008.71 | 25 |
| NW-6S | U-SRG | 1096.82 | 89.5 | 129.5 | 130 | 1008.34 | <1.0 |
| NW-7D | BF | 1094.21 | 215 | 235 | 298 | 1009.13 | 2.4/3.7 |
| NW-7M | L-SRG | 1093.94 | 180 | 200 | — | 1008.01 | 7.6 |
| NW-7S | U-SRG | 1094.19 | 89.5 | 129.5 | 130 | 1008.67 | <1.0 |
| NW-8D | BF | 1098.72 | 224 | 244 | 248 | 1012.88 | 2.4/2.4 |
| NW-8M | BF | 1098.65 | 175 | 195 | 195 | 1012.56 | 33 |
| NW-8S | U-SRG | 1098.45 | 99 | 149 | 151 | 1009.44 | 3.5 |
| NW-9D | BF | 1099.58 | 210 | 230 | 230 | 1010.97 | 3.8 |
| NW-9D2 | BF | 1099.58 | 240 | 260 | 270 | 1010.98 | 4.2/4.2 |
| NW-9M | L-SRG | 1099.42 | 170 | 190 | — | 1012.77 | <1.0 |
| NW-10D | BF | 1098.91 | 210 | 230 | 300 | 1011.78 | <1.0 |
| NW-11D | BF | 1097.69 | 210 | 230 | 287 | 1010.34 | 19 |
| NW-11M | L-SRG | 1097.59 | 173 | 193 | 193 | 1010.55 | 3.4 |
| NW-12D | BF | 1104.10 | 225 | 245 | 300 | 1013.29 | <1.0 |
| NW-13D | BF | 1096.11 | 215 | 235 | — | 1009.62 | 3.0/3.2 |
| NW-13M | L-SRG | 1095.75 | 175 | 195 | — | 1009.57 | <1.0 |
| NW-14D | BF | 1099.62 | 215 | 235 | — | 1009.77 | 5.8 |
| NW-14M | L-SRG | 1099.05 | 175 | 195 | — | 1009.73 | <1.0 |
| NW-16M | L-SRG | 1097.92 | 155 | 175 | — | 1009.88 | 35 |
| NW-16D | BF | 1097.96 | 220 | 230 | — | 1009.96 | 51 |
| NW-17S | CV | 1096.75 | 130 | 145 | — | 1008.22 | 120 |
| NW-18S | U-SRG | 1094.78 | 90 | 130 | — | 1008.06 | 3.1 |
| NW-18M | CV | 1094.92 | 170 | 190 | — | 1008.10 | 52 |
| NW-19M | L-SRG | 1100.69 | 165 | 185 | — | 1013.72 | <1.0 |
| NW-19D | BF | 1100.50 | 205 | 220 | — | 1013.57 | 35 |
| PHXA-06 | U-SRG | 1100.84 | 50 | 140 | 205 | 1014.40 | — |
| PZ-1S | U-SRG | 1102.41 | 99 | 119 | 258 | 1008.43 | — |
| PZ-1D | BR | 1102.69 | 217 | 237 | — | 1008.47 | — |
| PZ-2S | U-SRG | 1107.92 | 125 | 145 | 269 | 1009.10 | — |
| PZ-2D | BR | 1107.95 | 245 | 265 | — | 1009.07 | — |
| TEW-1 | U-SRG | 1103.47 | 100 | 145 | 160 | 1008.46 | — |

Notes:

— = no data
 U-SRG = Salt River Gravels Sub-unit
 L-SRG = Lower Salt River Gravels Sub-unit
 BF = Basin Fill Sub-unit
 BR = Bedrock
 CV = Colluvium
 SRG* = Screened in U-SRG and L-SRG
 bgs = below ground surface
 µg/L = micrograms per liter
 ft = feet

TCE = Trichloroethene
 amsl = above mean sea level
 BOLD = greater than or equal to the ADEQ AWQS
 AWQS = Arizona Water Quality Standards
¹Unless otherwise noted with asterisk, revised stratigraphic zones are from Site-wide Lithology Table revised June 6, 2011.
 Well construction, TCE, GW elevation data and data validation flags from Data Transmittals received from CRA on 12/8/11 and 12/19/11 (CRA 2011)
 Non-OU3 SRG is not typically broken into U-SRG and L-SRG divisions. Table 7 makes this distinction to facilitate the incorporation of non-OU3 data into Figures 3, 4, 6, and 7, which do distinguish between an Upper and L-SRG.

Appendix A
Groundwater Sampling Field Forms

Note: GH-MW-12 - ~~that~~ Product from 86.10 to 86.12, Gas smell

September 2011 Sampling Event
 Draft - Groundwater Elevations Summary
 Operable Unit 3 Study Area
 Motorola 52nd Street Superfund Site
 Phoenix, Arizona

* OU3-UM2 - Not gauged, vehicle parked on well. Gauged @ later date.

| Well ID | Hydrostratigraphic Zone | TOC (ft mal) | Top of screen (ft bgs) | Bottom of Screen (ft bgs) | Total Depth (ft bgs) | well diameter (inches) | 9/8/11 DTW (ft bgs) | 3/7/11 DTW (ft bgs) | 3/8/2011 TCE (ug/L) | QA/QC | PID | notes |
|-------------|-------------------------|--------------|------------------------|---------------------------|----------------------|------------------------|---------------------|---------------------|---------------------|-------------|-----|------------------|
| BE-MW-8 | Shallow | 1078.35 | 75 | 105 | 105 | 4 | 85.48 | 78.66 | 0.6 | field blank | 0.4 | |
| DT-DW-5 | Shallow | 1077.9 | 59 | 99 | 99 | 2 | 89.28 | 80.97 | 0.5 | level 3 | 0.0 | baller |
| EWOU3-109-R | Shallow | 1081.62 | 60 | 100 | 102 | 4 | 98.82 | 90.26 | 14 | | 0.1 | baller |
| EW-13-118 | Shallow | 1092.71 | 114.5 | 119.5 | 309 | 4 | | 1009.36 | <0.50 | | | |
| EW-13-168 | Intermediate | 1092.71 | 184.5 | 189.5 | -- | 4 | | 1009.28 | <0.50 | | | |
| EW-13-228 | Deep | 1092.71 | 224.5 | 229.5 | -- | 4 | | 1011.28 | 2.2 | level 3 | | |
| EW-13-268 | Deep | 1092.71 | 284.5 | 289.5 | -- | 4 | | 1012.02 | <0.60 | | | |
| EW-19D | Deep | 1087.34 | 247 | 267 | 270 | 4 | 79.63 | 73.56 | 7.8 | | 0.0 | |
| EW-19S | Shallow | 1087.32 | 57 | 107 | 112 | 4 | 85.87 | 82.09 | <0.50 | MS/MSD | 0.2 | |
| EW-20 | Shallow | 1091.38 | 59 | 109 | 109 | 4 | 92.47 | 88.53 | 22 | duplicate | 3.7 | |
| EW-21 | Shallow | 1094.24 | 58 | 108 | 108 | 4 | 91.40 | 88.05 | 3.0 | level 3 | 0.0 | |
| GH-MW-11 | Shallow | 1083.3 | 50 | 100 | 100.9 | 4 | 87.74 | 86.10 | NG | NS | 0.1 | Do not sample!!! |
| JN-MW-1 | Shallow | 1088.38 | 70 | 90 | 90 | 4 | 88.57 | 87.88 | -- | | 0.0 | usually dry |
| SC-MW-1D | Shallow | 1092.39 | 83 | 123 | 126 | 4 | 86.35 | 83.02 | 1.6 | | 0.0 | |
| SC-MW-7 | Shallow | 1091.25 | 45.5 | 90.5 | 91 | 4 | 86.35 | NG | NS | | 0.0 | abandoned |
| OU3-1D | Deep | 1093.09 | 235 | 255 | 259 | 4 | 83.32 | 78.32 | 6.0 | | 0.0 | |
| OU3-1M | Intermediate | 1093.3 | 140 | 160 | 182 | 4 | 91.03 | 87.88 | <0.50 | Level 3 | 0.0 | |
| OU3-2M | Intermediate | 1087.997 | 150 | 170 | 175 | 4 | 80.08 | 82.45 | 31 | level 3 | 9.5 | |
| OU3-4S | Shallow | 1094.74 | 59.2 | 110 | 110 | 4 | 90.52 | 88.33 | <0.50 | | 0.0 | |
| OU3-8D | Deep | 1083.77 | 230 | 250 | 281 | 4 | 86.57 | 80.06 | 0.83 | | 0.5 | |
| OU3-8M | Intermediate | 1083.66 | 152 | 172 | 172.5 | 4 | 89.35 | 83.47 | 0.73 | | 0.0 | |
| OU3-7M2 | Intermediate | 1085.59 | 195 | 215 | 221 | 4 | 87.70 | 84.53 | 1.2 | ms/mad | 0.0 | |
| OU3-7S | Shallow | 1085.29 | 80 | 110 | 112 | 4 | 87.62 | 84.48 | <0.60 | | 0.0 | |
| OU3-8D | Deep | 1080 | 280.5 | 270 | 273 | 4 | 90.80 | 82.52 | <0.50 | | 0.0 | |
| OU3-8M2 | Intermediate | 1080.39 | 205.5 | 225.6 | 228 | 4 | 92.40 | 86.31 | 29.0 | level 3 | | |
| OU3-9S | Shallow | 1080.05 | 59.9 | 110.5 | 110.5 | 4 | 93.13 | 88.81 | 11.0 | | | |
| OU3-9S | Shallow | 1080.65 | 59.6 | 110.2 | 110.8 | 4 | 91.97 | 88.85 | <0.50 | | 0.0 | |
| OU3-5M2 | Intermediate | 1087.24 | 202.7 | 222.7 | 253.7 | 4 | 91.60 | 88.78 | 73 | ms/MSD | | |
| OU3-9M2 | Intermediate | 1080.74 | 219.7 | 229.7 | 235 | 4 | 94.91 | 88.53 | 2.0 | | 0.0 | |
| OU3-10M | Intermediate | 1082.25 | 148.7 | 168.7 | 170 | 4 | 98.70 | 90.07 | 7.9 | | | |
| OU3-10M2 | Intermediate | 1082.29 | 199.2 | 219.2 | 225 | 4 | 98.89 | 89.97 | 38 | duplicate | 0.0 | |
| OU3-11M | Intermediate | 1078.28 | 153.7 | 173.7 | 178 | 4 | 88.54 | 80.93 | <0.50 | | 0.0 | |
| OU3-11M2 | Intermediate | 1078.05 | 198.7 | 216.7 | 230 | 4 | 88.39 | 80.75 | <0.50 | | 0.0 | |
| OU3-11S | Shallow | 1078.28 | 89.7 | 119.7 | 123 | 4 | 88.46 | 80.8 | <0.50 | level 3 | 0.0 | |
| OU3-12D | Deep | 1090.77 | 245.8 | 285.8 | 398 | 4 | 81.54 | 78.70 | <0.60 | | 0.0 | |
| OU3-12M | Intermediate | 1090.79 | 148.7 | 168.7 | 170 | 4 | 85.45 | 81.99 | 1.8 | | 0.0 | |
| OU3-13D | Deep | 1095.71 | 224.7 | 244.7 | 250 | 4 | 93.70 | 84.31 | <0.50 | level 3 | 0.0 | |
| OU3-13M | Intermediate | 1095.75 | 164.7 | 174.7 | 175 | 4 | 90.34 | 87.30 | 25.0 | | 0.0 | |
| OU3-14D | Deep | 1099.14 | 231.2 | 251.2 | 251.5 | 4 | 83.18 | 79.35 | <0.50 | | 0.0 | Pumps dry |
| OU3-14M | Intermediate | 1099.05 | 145.7 | 165.7 | 188 | 4 | 91.30 | 89.11 | <0.50 | | 0.0 | |
| OU3-5DR | Deep | 1087.35 | 232.7 | 252.7 | 263 | 4 | 84.49 | 88.23 | <0.50 | | 0.0 | |
| OU3-5MR | Intermediate | 1087.37 | 148.7 | 168.7 | 169 | 4 | 91.65 | 88.84 | 80 | duplicate | | |
| OU3-5SR | Shallow | 1087.28 | 89.7 | 119.7 | 120 | 4 | 91.50 | 88.73 | 28 | level 3 | 0.0 | |

NG = not gauged on September 8, 2011
 One field blank on day 1
 Equipment rinsate each day
 PE sample submittal

OU3-10S → DTW = 101.24
 PID = 0.0
 20S = 88.24, 1.2
 20M = 88.35, 0.0

16-M = 97.76, 0.0
 16-S = 97.60, 0.0
 19M = 85.71, 0.0
 17S = 84.60, 120



GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: 003-14M

ERM
7272 E Indian School Rd.
Suite 100
Scottsdale, AZ 85251

Project: OU3 Sample Date: 9/9/11
Project Number: 0096498.030 Sample Time: 1621

Screened Interval: 145.7 - 165.7 Initial Depth to Water (ft): 91.30
Measured Well Depth (ft): 168 Length of Water Column (ft): 76.7
Well Inner Diameter (in): 4" 1 Well Volume (gal): 50.1 x 3 = 150.3

Water Volume/ft. for:
1" diameter well = 0.041 x LWC
2" diameter well = 0.163 x LWC
4" diameter well = 0.653 x LWC
6" diameter well = 1.469 x LWC

Samplers: A Nagle, K Johnson Sampler Affiliation: ERM

Purge Method/Equipment: Pump
Stabilization Test Equipment: Horiba YSE
Sampling Method/Equipment: Pump

Stabilization Test:

| Date | Time | Cummulative Volume (gal) | Depth to Water (ft) | pH | Specific Conductance (µS/cm) | Turbidity (NTU) | Dissolved Oxygen (ppt) | Temperature (C) | ORP (mV) |
|--------|-------|--------------------------|---------------------|------|------------------------------|-----------------|------------------------|-----------------|----------|
| 9/8/11 | 15:31 | 0 | 91.30 | 7.42 | 2222 | - | 8.44 | 27.06 | 90.2 |
| | 15:41 | 30 | 91.36 | 7.28 | 2213 | - | 8.48 | 27.09 | 81.6 |
| | 15:51 | 60 | 91.41 | 6.96 | 2207 | - | 8.23 | 27.14 | 73.2 |
| | 15:56 | 75 | 91.42 | 7.23 | 2221 | - | 8.20 | 26.69 | 71.8 |
| | 16:01 | 90 | 91.41 | 7.27 | 2222 | - | 8.11 | 26.71 | 70.2 |
| | 16:06 | 105 | 91.41 | 7.31 | 2224 | - | 7.86 | 26.72 | 68.7 |
| | 16:11 | 120 | 91.42 | 7.35 | 2226 | - | 7.83 | 26.72 | 65.1 |
| | 16:16 | 135 | 91.42 | 7.34 | 2226 | - | 7.84 | 26.74 | 64.9 |
| | 16:21 | 150 | 91.41 | 7.34 | 2225 | - | 7.82 | 26.75 | 65.2 |

Volume Purged Prior to Sample Collection: 150 Depth to Water during Sample Collection: 91.41

| Analysis/Parameter | Container/Volume | Preservative/Preparation |
|--------------------|------------------|--------------------------|
| VOC | 40 mL VOA x 3 | HCl |
| 1,4-Dioxane | 1L Amber x 2 | - |
| | | |
| | | |

Remarks: 003-14M-M-090811



GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: OU3-14D

ERM
7272 E Indian School Rd.
Suite 100
Scottsdale, AZ 85251

Project: OU3 Sample Date: 9/8/11
Project Number: 0096498.030 Sample Time: 1643

Screened Interval: 231.2 - 251.2 Initial Depth to Water (ft): 83.18
Measured Well Depth (ft): 251.2 Length of Water Column (ft): 168
Well Inner Diameter (in): 4" 1 Well Volume (gal): 109.7 x 3 = 329.1

| Water Volume/ft. for: |
|--------------------------------|
| 1" diameter well = 0.041 x LWC |
| 2" diameter well = 0.163 x LWC |
| 4" diameter well = 0.653 x LWC |
| 6" diameter well = 1.469 x LWC |

Samplers: A Nagle, B Johnson Sampler Affiliation: ERM

Purge Method/Equipment: Pump

Stabilization Test Equipment: Horiba YSI

Sampling Method/Equipment: Pump

| Stabilization Test: | | | | | | | | | |
|---------------------|------|--------------------------|---------------------|------|------------------------------|-----------------|------------------------|-----------------|----------|
| Date | Time | Cummulative Volume (gal) | Depth to Water (ft) | pH | Specific Conductance (µS/cm) | Turbidity (NTU) | Dissolved Oxygen (ppt) | Temperature (C) | ORP (mV) |
| 9/8/11 | 1350 | 0 | 83.18 | 7.05 | 1614 | ✓ | 6.83 | 25.99 | 74.2 |
| | 1353 | 9 | 88.72 | 7.37 | 1624 | — | 7.21 | 26.28 | 72.8 |
| | 1302 | 36 | 108.01 | 7.46 | 1621 | — | 7.33 | 26.37 | 67.6 |
| | 1412 | 66 | 130.18 | 7.56 | 1614 | — | 7.31 | 26.46 | 67.2 |
| | 1422 | 96 | 158.33 | 7.51 | 1616 | ✓ | 7.32 | 26.59 | 67.8 |
| | 1436 | 126 | 189.12 | 7.86 | 1614 | — | 7.30 | 26.63 | 67.7 |
| | 1446 | 156 | 220.35 | 7.62 | 1613 | — | 7.30 | 26.69 | 67.1 |
| | 1456 | 186 | 234.76 | 7.58 | 1622 | — | 7.22 | 26.89 | 66.3 |
| | 1501 | Well Dry | | | | | | | |
| | 1643 | ← Sampled | | | | | | | |

Volume Purged Prior to Sample Collection: 186 gal Depth to Water during Sample Collection: 86.11

| Analysis/Parameter | Container/Volume | Preservative/Preparation |
|--------------------|------------------|--------------------------|
| VOC | 40 mL VOA x 3 | HCl |
| 1,4-Dioxane | 1L Amber x 2 | — |
| | | |
| | | |

Remarks: 3 gpm Murky Water @ Starts cleared up in 5 min.
OU3-14D-D-090811



GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification:

OU3-4S

ERM
7272 E Indian School Rd.
Suite 100
Scottsdale, AZ 85251

Project: OU3 Sample Date: 9/8/11
Project Number: 0096498.030 Sample Time: 0826

Screened Interval: 59.2'-110' Initial Depth to Water (ft): 90.52
Measured Well Depth (ft): 110' Length of Water Column (ft): 19.5
Well Inner Diameter (in): 4" 1 Well Volume (gal): 12.7 x 3 = 38.2

Water Volume/ft. for:
1" diameter well = 0.041 x LWC
2" diameter well = 0.163 x LWC
4" diameter well = 0.653 x LWC
6" diameter well = 1.469 x LWC

Samplers: A Johnson, A Nagle Sampler Affiliation: ERM

Purge Method/Equipment: Pump
Stabilization Test Equipment: Horiba YSI
Sampling Method/Equipment: Pump

| Stabilization Test: | | | | | | | | | |
|---------------------|------|--------------------------|---------------------|------|------------------------------|-----------------|-----------------------------|-----------------|----------|
| Date | Time | Cummulative Volume (gal) | Depth to Water (ft) | pH | Specific Conductance (µS/cm) | Turbidity (NTU) | Dissolved Oxygen (ppt) mg/L | Temperature (C) | ORP (mV) |
| 9/8/11 | 0800 | 0 | 90.67 | 6.33 | 2353 | - | 9.81 | 26.16 | 182.6 |
| | 0805 | 7.5 | 90.69 | 6.49 | 2321 | - | 9.08 | 26.16 | 147.1 |
| | 0810 | 15 | 90.69 | 6.57 | 2299 | - | 8.11 | 26.17 | 115.9 |
| | 0817 | 25.5 | 90.70 | 6.56 | 2302 | - | 7.40 | 26.17 | 109.3 |
| | 0826 | 39 | 90.71 | 6.57 | 2302 | - | 7.32 | 26.17 | 107.6 |
| | | | | | | | | | |
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| | | | | | | | | | |

Volume Purged Prior to Sample Collection: 38 39 Depth to Water during Sample Collection: 90.71

| Analysis/Parameter | Container/Volume | Preservative/Preparation |
|--------------------|------------------|--------------------------|
| VOC | 40 mL VOA x 3 | HCl |
| 1,4-Dioxane | 1L Amber x 2 | - |
| | | |
| | | |

Remarks: OU3-4S-S-090811
~ 1.5 gpm



GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: 003-~~87~~75

ERM
7272 E Indian School Rd.
Suite 100
Scottsdale, AZ 85251

Project: OU3 Sample Date: 9/8/11
Project Number: 0096498.030 Sample Time: 0950

Screened Interval: 60-110 Initial Depth to Water (ft): 87.62
Measured Well Depth (ft): 112 Length of Water Column (ft): 24.4
Well Inner Diameter (in): 4" 1 Well Volume (gal): 15.9 × 3 = 47.8

Water Volume/ft. for:
1" diameter well = 0.041 x LWC
2" diameter well = 0.163 x LWC
4" diameter well = 0.653 x LWC
6" diameter well = 1.469 x LWC

Samplers: K Johnson, A Nagle Sampler Affiliation: ERM

Purge Method/Equipment: Pump
Stabilization Test Equipment: Horiba YSI
Sampling Method/Equipment: Pump

| Stabilization Test: | | | | | | | | | |
|---------------------|------|--------------------------|---------------------|------|------------------------------|-----------------|------------------------|-----------------|----------|
| Date | Time | Cummulative Volume (gal) | Depth to Water (ft) | pH | Specific Conductance (µS/cm) | Turbidity (NTU) | Dissolved Oxygen (ppt) | Temperature (C) | ORP (mV) |
| 9/8/11 | 0934 | 0 | 87.62 | 6.94 | 2362 | - | 8.07 | 27.38 | 84.7 |
| | 0937 | 9 | 87.74 | 7.01 | 2381 | - | 8.87 | 28.82 | 84.2 |
| | 0940 | 18 | 87.80 | 7.09 | 2346 | - | 7.48 | 28.01 | 83.9 |
| | 0944 | 30 | 87.89 | 7.01 | 2357 | - | 7.22 | 27.10 | 82.3 |
| | 0947 | 39 | 87.93 | 6.99 | 2354 | - | 7.09 | 27.07 | 82.9 |
| | 0950 | 48 | 87.95 | 7.06 | 2360 | - | 6.92 | 27.13 | 80.1 |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

Volume Purged Prior to Sample Collection: 48 Depth to Water during Sample Collection: 87.95

| Analysis/Parameter | Container/Volume | Preservative/Preparation |
|--------------------|------------------|--------------------------|
| VOC | 40 mL VOA x 3 | HCl |
| 1,4-Dioxane | 1L Amber x 2 | - |
| | | |
| | | |

Remarks: 003-75-S-090811 @ 0950
3 gpm



GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: OU3-7M2

ERM
7272 E Indian School Rd.
Suite 100
Scottsdale, AZ 85251

Project: OU3 Sample Date: 09/8/11
Project Number: 0096498.030 Sample Time: 1148

Screened Interval: 125-215 Initial Depth to Water (ft): 87.70
Measured Well Depth (ft): 221 Length of Water Column (ft): 133.3
Well Inner Diameter (in): 4" 1 Well Volume (gal): 87 x 3 = 261

Water Volume/ft. for:
1" diameter well = 0.041 x LWC
2" diameter well = 0.163 x LWC
4" diameter well = 0.653 x LWC
6" diameter well = 1.469 x LWC

Samplers: R Johnson A Nagle Sampler Affiliation: ERM

Purge Method/Equipment: Pump
Stabilization Test Equipment: Horiba YSE
Sampling Method/Equipment: Pump

| Stabilization Test: | | | | | | | | | |
|---------------------|------|--------------------------|---------------------|------|------------------------------|-----------------|------------------------|-----------------|----------|
| Date | Time | Cummulative Volume (gal) | Depth to Water (ft) | pH | Specific Conductance (MS/cm) | Turbidity (NTU) | Dissolved Oxygen (ppt) | Temperature (C) | ORP (mV) |
| 9/8/11 | 1021 | 0 | 87.69 | 6.82 | 2044 | - | 9.53 | 25.63 | 80.6 |
| | 1036 | 45 | 87.81 | 7.21 | 2031 | - | 8.49 | 25.55 | 67.5 |
| | 1051 | 90 | 87.75 | 7.25 | 2036 | - | 8.46 | 25.61 | 66.1 |
| | 1101 | 120 | 87.76 | 7.25 | 2034 | - | 8.13 | 25.60 | 62.8 |
| | 1111 | 150 | 87.78 | 7.25 | 2033 | - | 7.81 | 25.61 | 59.3 |
| | 1121 | 180 | 87.75 | 7.27 | 2029 | - | 7.62 | 25.64 | 59.9 |
| | 1131 | 210 | 87.75 | 7.27 | 2028 | - | 7.55 | 25.62 | 60.1 |
| | 1138 | 231 | 87.76 | 7.26 | 2033 | - | 7.49 | 25.61 | 59.9 |
| | 1143 | 246 | 87.78 | 7.27 | 2035 | - | 7.47 | 25.61 | 60.7 |
| | 1148 | 261 | 87.75 | 7.27 | 2036 | - | 7.42 | 25.60 | 61.1 |

Volume Purged Prior to Sample Collection: 261 Depth to Water during Sample Collection: 87.75

| Analysis/Parameter | Container/Volume | Preservative/Preparation |
|--------------------|------------------------------|--------------------------|
| VOC | 40 mL VOA x 3 | HCl |
| 1,4-Dioxane | 2 L Amber x 2 | - |
| MS/MSD | 40 mL VOA x 3, 1 L Amber x 4 | |

Remarks: MS/MSD
OU3-7M2-M-090811
OU3-7M2-M-090811-MS/MSD
Zygm



GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: SC-MW-1D

ERM
7272 E Indian School Rd.
Suite 100
Scottsdale, AZ 85251

Project: 003 Sample Date: 9/9/11
Project Number: 0096498.012030 Sample Time: 1515

Screened Interval: 83-123 Initial Depth to Water (ft): 86.35
Measured Well Depth (ft): 125 Length of Water Column (ft): 38.65
Well Inner Diameter (in): 4" 1 Well Volume (gal): 25.2 x 3 = 75

Water Volume/ft. for:
1" diameter well = 0.041 x LWC
2" diameter well = 0.163 x LWC
4" diameter well = 0.653 x LWC
6" diameter well = 1.469 x LWC

Samplers: A Johnson, A Nagh Sampler Affiliation: ERM

Purge Method/Equipment: Baiter Pump
Stabilization Test Equipment: N/A Pump PSI
Sampling Method/Equipment: Baiter Pump

Stabilization Test:

| Date | Time | Cummulative Volume (gal) | Depth to Water (ft) | pH | Specific Conductance (µS/cm) | Turbidity (NTU) | Dissolved Oxygen (ppt) | Temperature (C) | ORP (mV) |
|--------|------|--------------------------|---------------------|------|------------------------------|-----------------|------------------------|-----------------|----------|
| 9/9/11 | 1450 | 0 | 86.34 | 9.02 | 1455 | - | 7.67 | 29.18 | 70.8 |
| | 1455 | 15 | 86.36 | 8.97 | 1444 | - | 5.17 | 28.68 | 78.7 |
| | 1500 | 30 | 86.37 | 8.89 | 1417 | - | 4.83 | 28.03 | 77.3 |
| | 1505 | 45 | 86.37 | 8.82 | 1401 | - | 4.51 | 27.40 | 76.9 |
| | 1510 | 60 | 86.37 | 8.82 | 1397 | - | 4.48 | 27.35 | 75.1 |
| | 1515 | 75 | 86.37 | 8.82 | 1396 | - | 4.47 | 27.35 | 74.6 |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

Volume Purged Prior to Sample Collection: 75 Depth to Water during Sample Collection: 86.37

| Analysis/Parameter | Container/Volume | Preservative/Preparation |
|--------------------|------------------|--------------------------|
| VOC | 40 mL VOA x 3 | HCl |
| 1,4-Dioxane | 1 L Amber x 2 | - |
| | | |
| | | |

Remarks: 003-A SC-MW-1D-S-090911



GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: OU3-95

ERM
7272 E Indian School Rd.
Suite 100
Scottsdale, AZ 85251

Project: OU3 Sample Date: 9/10/11

Project Number: 0096498.030 Sample Time: 0919

Screened Interval: 59.6-110.2 Initial Depth to Water (ft): 91.97

Measured Well Depth (ft): 112 110.5 Length of Water Column (ft): 18.5

Well Inner Diameter (in): 4" 1 Well Volume (gal): 12.1 x 3 = 36.3

Water Volume/ft. for:
1" diameter well = 0.041 x LWC
2" diameter well = 0.163 x LWC
4" diameter well = 0.653 x LWC
6" diameter well = 1.469 x LWC

Samplers: K Johnson, A Nugh Sampler Affiliation: ERM

Purge Method/Equipment: Pump

Stabilization Test Equipment: -Horriba YSI

Sampling Method/Equipment: Pump

| Stabilization Test: | | | | | | | | | |
|---------------------|------|--------------------------|---------------------|------|------------------------------|-----------------|------------------------|-----------------|-----------|
| Date | Time | Cummulative Volume (gal) | Depth to Water (ft) | pH | Specific Conductance (µS/cm) | Turbidity (NTU) | Dissolved Oxygen (ppt) | Temperature (C) | ORP (mV) |
| 9/9/11 | 0906 | 0 | 91.97 | 8.56 | 2296 | - | 9.68 | 27.27 | 58.5 |
| | 0908 | 6 | 91.99 | 8.45 | 2295 | - | 9.51 | 26.88 | 82.9 |
| | 0910 | 12 | 92.00 | 8.46 | 2296 | - | 9.38 | 26.87 | 79.0 |
| | 0912 | 18 | 92.00 | 8.41 | 2294 | - | 9.11 | 26.66 | 78.0 |
| | 0914 | 24 | 92.01 | 8.40 | 2293 | - | 9.08 | 26.66 | 54.7 |
| | 0916 | 30 | 92.01 | 8.41 | 2300 | - | 9.01 | 26.69 | 53.7 |
| | 0918 | 36 | 92.02 | 8.45 | 2314 | - | 8.96 | 26.74 | 54.1 |
| | 0919 | 39 | 92.02 | 8.47 | 2319 | - | 8.91 | 26.98 | 54.6 5.46 |

Volume Purged Prior to Sample Collection: 39 Depth to Water during Sample Collection: 92.2

| Analysis/Parameter | Container/Volume | Preservative/Preparation |
|--------------------|------------------|--------------------------|
| VOC | 40 mL VOA x 3 | HCl |
| 1,4-Dioxane | 1L Amber x 2 | - |
| | | |
| | | |

Remarks: OU3-95-S-090911

3 gm



GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: OU3-9M2

ERM
7272 E Indian School Rd.
Suite 100
Scottsdale, AZ 85251

Project: OU3 Sample Date: 9/10/11

Project Number: 0096498.030 Sample Time: _____

Screened Interval: 219.7-229.7 Initial Depth to Water (ft): 99.91

Measured Well Depth (ft): 227.235 Length of Water Column (ft): 135.1

Well Inner Diameter (in): 4" 1 Well Volume (gal): 88.2 x 3 = 264.7

| Water Volume/ft. for: |
|--------------------------------|
| 1" diameter well = 0.041 x LWC |
| 2" diameter well = 0.163 x LWC |
| 4" diameter well = 0.653 x LWC |
| 6" diameter well = 1.469 x LWC |

Samplers: K. Johnson, A. Nagh Sampler Affiliation: ERM

Purge Method/Equipment: Pump

Stabilization Test Equipment: Horriba YSI

Sampling Method/Equipment: Pump

| Stabilization Test: | | | | | | | | | |
|---------------------|------|--------------------------|---------------------|------|------------------------------|-----------------|------------------------|-----------------|----------|
| Date | Time | Cummulative Volume (gal) | Depth to Water (ft) | pH | Specific Conductance (µS/cm) | Turbidity (NTU) | Dissolved Oxygen (ppt) | Temperature (C) | ORP (mV) |
| 9/10/11 | 0840 | 0 | 99.91 | 8.20 | 2048 | - | 8.93 | 25.13 | 71.1 |
| | 0843 | 60 | 100.78 | 8.20 | 2037 | - | 8.60 | 25.09 | 70.4 |
| | 0846 | 120 | 100.41 | 8.24 | 2040 | - | 8.89 | 25.23 | 68.2 |
| | 0849 | 180 | 100.40 | 8.30 | 2036 | - | 8.35 | 25.06 | 87.6 |
| | 0852 | 240 | 100.40 | 8.30 | 2034 | - | 8.33 | 25.06 | 87.6 |
| | 0854 | 280 | 100.38 | 8.31 | 2034 | - | 8.33 | 25.08 | 87.7 |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

Volume Purged Prior to Sample Collection: 280 Depth to Water during Sample Collection: 98.38

| Analysis/Parameter | Container/Volume | Preservative/Preparation |
|--------------------|------------------|--------------------------|
| VOC | 40 mL VOA x 3 | HCl |
| 1,4-Dioxane | 1L Amber x 2 | -- |
| | | |
| | | |

Remarks: OU3-9M2-M-091011
090911

20 GPM



GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: OU3-12D

ERM
7272 E Indian School Rd.
Suite 100
Scottsdale, AZ 85251

Project: OU3 Sample Date: 9/9/11
Project Number: 0096498.030 Sample Time: 1141

Screened Interval: 245.6 - 265.6 Initial Depth to Water (ft): 81.54
Measured Well Depth (ft): 296 Length of Water Column (ft): 214.5
Well Inner Diameter (in): 4" 1 Well Volume (gal): ~~140~~ x 3 = 420

Water Volume/ft. for:
1" diameter well = 0.041 x LWC
2" diameter well = 0.163 x LWC
4" diameter well = 0.653 x LWC
6" diameter well = 1.469 x LWC

Samplers: K. Johnson, A. Nagle Sampler Affiliation: ERM

Purge Method/Equipment: Pump
Stabilization Test Equipment: Horiba YSI
Sampling Method/Equipment: Pump

| Stabilization Test: | | | | | | | | | |
|---------------------|------|--------------------------|---------------------|------|------------------------------|-----------------|------------------------|-----------------|----------|
| Date | Time | Cummulative Volume (gal) | Depth to Water (ft) | pH | Specific Conductance (µS/cm) | Turbidity (NTU) | Dissolved Oxygen (ppt) | Temperature (C) | ORP (mV) |
| 9/9/11 | 1058 | 0 | 81.54 | 8.74 | 1788 | - | 9.40 | 27.31 | 83.8 |
| | 1108 | 100 | 81.33 | 8.77 | 1312 | - | 7.89 | 24.91 | 76.3 |
| | 1118 | 200 | 81.27 | 8.77 | 1310 | - | 6.12 | 24.19 | 77.9 |
| | 1123 | 250 | 81.15 | 8.71 | 1308 | - | 6.01 | 24.26 | 78.4 |
| | 1128 | 300 | 81.13 | 8.74 | 1315 | - | 5.32 | 24.26 | 78.1 |
| | 1133 | 350 | 81.14 | 8.75 | 1317 | - | 5.13 | 24.28 | 77.5 |
| | 1138 | 400 | 81.12 | 8.79 | 1322 | - | 4.17 | 24.29 | 75.3 |
| | 1141 | 430 | 81.13 | 8.82 | 1331 | - | 4.08 | 24.32 | 72.4 |
| | | | | | | | | | |
| | | | | | | | | | |

Volume Purged Prior to Sample Collection: 430 Depth to Water during Sample Collection: 81.13

| Analysis/Parameter | Container/Volume | Preservative/Preparation |
|--------------------|------------------|--------------------------|
| VOC | 40 mL VOA x 3 | HCl |
| 1,4-Dioxane | 1L Amber x 2 | - |
| | | |
| | | |

Remarks: OU3-12D-D-090911

K. Johnson



GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: 003-12M

ERM
7272 E Indian School Rd.
Suite 100
Scottsdale, AZ 85251

Project: 003 Sample Date: 9/9/11
Project Number: 0096498.012030 Sample Time: 1336

Screened Interval: 146.7 - 166.7 Initial Depth to Water (ft): 85.45
Measured Well Depth (ft): 170 Length of Water Column (ft): 84.5
Well Inner Diameter (in): 4" 1 Well Volume (gal): 55 x 3 = 165

Water Volume/ft. for:
1" diameter well = 0.041 x LWC
2" diameter well = 0.163 x LWC
4" diameter well = 0.653 x LWC
6" diameter well = 1.469 x LWC

Samplers: Johnson / Nagle Sampler Affiliation: ERM

Purge Method/Equipment: Bailer Pump
Stabilization Test Equipment: N/A USE
Sampling Method/Equipment: Bailer Pump

| Stabilization Test: | | | | | | | | | |
|---------------------|------|--------------------------|---------------------|------|------------------------------|-----------------|------------------------|-----------------|----------|
| Date | Time | Cummulative Volume (gal) | Depth to Water (ft) | pH | Specific Conductance (µS/cm) | Turbidity (NTU) | Dissolved Oxygen (ppt) | Temperature (C) | ORP (mV) |
| 9/9/11 | 1251 | 0 | 85.44 | 9.45 | 1457 | - | 8.78 | 30.90 | 57.7 |
| | 1257 | 30 | 85.40 | 8.90 | 1311 | ✓ | 6.94 | 27.35 | 57.9 |
| | 1301 | 60 | 85.39 | 8.89 | 1306 | - | 6.28 | 27.13 | 55.0 |
| | 1306 | 75 | 85.39 | 8.89 | 1302 | - | 6.21 | 27.08 | 53.9 |
| | 1311 | 90 | 85.40 | 8.90 | 1299 | - | 6.19 | 27.06 | 55.1 |
| | 1316 | 105 | 85.38 | 8.91 | 1297 | - | 6.13 | 26.99 | 56.8 |
| | 1321 | 120 | 85.38 | 8.91 | 1296 | - | 6.08 | 26.92 | 58.7 |
| | 1326 | 135 | 85.37 | 8.91 | 1295 | - | 6.07 | 26.90 | 58.6 |
| | 1331 | 150 | 85.38 | 8.90 | 1295 | - | 6.05 | 26.88 | 57.5 |
| | 1336 | 165 | 85.38 | 8.91 | 1295 | ✓ | 6.05 | 26.87 | 57.0 |

Volume Purged Prior to Sample Collection: 165 Depth to Water during Sample Collection: 85.38

| Analysis/Parameter | Container/Volume | Preservative/Preparation |
|--------------------|------------------|--------------------------|
| VOC | 40 mL VOA x 3 | HCl |
| 1,4-Dioxin | 32 Amber x 2 | - |
| | | |
| | | |

Remarks: 003-12M-M-090911



GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: OU3-1D

ERM
7272 E Indian School Rd.
Suite 100
Scottsdale, AZ 85251

Project: OU3 Sample Date: 9/12/11
Project Number: 0096498.030 Sample Time: 1315

Screened Interval: 235-255 Initial Depth to Water (ft): 83.32
Measured Well Depth (ft): 259 Length of Water Column (ft): 175.7
Well Inner Diameter (in): 4" 1 Well Volume (gal): 114.7 x 3 = 344

| Water Volume/ft. for: |
|--------------------------------|
| 1" diameter well = 0.041 x LWC |
| 2" diameter well = 0.163 x LWC |
| 4" diameter well = 0.653 x LWC |
| 6" diameter well = 1.469 x LWC |

Samplers: H Johnson, A Nagh Sampler Affiliation: ERM

Purge Method/Equipment: Pump

Stabilization Test Equipment: Horiba YSI

Sampling Method/Equipment: Pump

| Stabilization Test: | | | | | | | | | |
|---------------------|-------|--------------------------|---------------------|------|------------------------------|-----------------|------------------------|-----------------|----------|
| Date | Time | Cummulative Volume (gal) | Depth to Water (ft) | pH | Specific Conductance (µS/cm) | Turbidity (NTU) | Dissolved Oxygen (ppt) | Temperature (C) | ORP (mV) |
| | 12:40 | 0 | 83.32 | 9.61 | 2844 | - | 0.29 | 26.10 | 82.8 |
| | 12:50 | 100 | 83.36 | 9.61 | 2855 | - | 0.73 | 25.39 | 64.3 |
| | 13:00 | 200 | 83.38 | 9.62 | 2780 | - | 1.06 | 24.16 | 53.7 |
| | 13:05 | 250 | 83.27 | 9.57 | 2788 | - | 1.31 | 24.20 | 50.1 |
| | 13:10 | 300 | 83.37 | 9.53 | 2790 | - | 1.44 | 24.27 | 49.9 |
| | 13:15 | 350 | 83.37 | 9.53 | 2795 | - | 1.48 | 24.35 | 49.2 |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

Volume Purged Prior to Sample Collection: 350 Depth to Water during Sample Collection: 83.37

| Analysis/Parameter | Container/Volume | Preservative/Preparation |
|--------------------|------------------|--------------------------|
| VOC | 40 mL VOA x 3 | HCl |
| 1,4-Dioxane | 1L Amber x 2 | -- |
| | | |
| | | |

Remarks: OU3-1D-D-091211

10 gpm 35 min



GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: OU3-1M

ERM
7272 E Indian School Rd.
Suite 100
Scottsdale, AZ 85251

Project: OU3 Sample Date: 9/12/11
Project Number: 0096498.030 Sample Time: 1413

Screened Interval: 140-160 Initial Depth to Water (ft): 91.03
Measured Well Depth (ft): 162 Length of Water Column (ft): 70.97
Well Inner Diameter (in): 4" 1 Well Volume (gal): 46.3 x 3 = 139

Water Volume/ft. for:
1" diameter well = 0.041 x LWC
2" diameter well = 0.163 x LWC
4" diameter well = 0.653 x LWC
6" diameter well = 1.469 x LWC

Samplers: N Johnson, A Nagle Sampler Affiliation: ERM

Purge Method/Equipment: Pump
Stabilization Test Equipment: Horriba YSI
Sampling Method/Equipment: Pump

| Stabilization Test: | | | | | | | | | |
|---------------------|------|--------------------------|---------------------|------|------------------------------|-----------------|------------------------|-----------------|----------|
| Date | Time | Cummulative Volume (gal) | Depth to Water (ft) | pH | Specific Conductance (µS/cm) | Turbidity (NTU) | Dissolved Oxygen (ppt) | Temperature (C) | ORP (mV) |
| 9/12/11 | 1327 | 0 | 91.03 | 9.79 | 2245 | - | 1.74 | 26.78 | 40.8 |
| | 1337 | 30 | 91.04 | 9.75 | 2077 | - | 1.98 | 26.05 | 43.0 |
| | 1347 | 60 | 91.05 | 9.76 | 2069 | - | 1.90 | 26.01 | 41.5 |
| | 1357 | 90 | 91.05 | 9.75 | 2076 | - | 1.75 | 25.97 | 44.8 |
| | 1402 | 105 | 91.05 | 9.75 | 2074 | - | 1.76 | 25.95 | 43.2 |
| | 1407 | 120 | 91.06 | 9.76 | 2073 | - | 1.74 | 25.93 | 41.3 |
| | 1410 | 129 | 91.05 | 9.75 | 2071 | - | 1.73 | 25.94 | 40.8 |
| | 1413 | 138 | 91.05 | 9.75 | 2070 | - | 1.73 | 25.93 | 40.0 |
| | | | | | | | | | |
| | | | | | | | | | |

Volume Purged Prior to Sample Collection: 138 Depth to Water during Sample Collection: 91.05

| Analysis/Parameter | Container/Volume | Preservative/Preparation |
|--------------------|------------------|--------------------------|
| VOC | 40 mL VOA x 3 | HCl |
| 1,4-Dioxane | 1L Amber x 2 | - |
| | | |
| | | |

Remarks: OU3-1M-M-091211, level III
3 gpm, 46 min



GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: EW-21

ERM
7272 E Indian School Rd.
Suite 100
Scottsdale, AZ 85251

Project: OU3 Sample Date: 9/12/11
Project Number: 0096498.030 Sample Time: 1504

Screened Interval: 58-108 Initial Depth to Water (ft): 91.40
Measured Well Depth (ft): 108 Length of Water Column (ft): 16.6
Well Inner Diameter (in): 4" 1 Well Volume (gal): 10.8 x 3 = 33

Water Volume/ft. for:
1" diameter well = 0.041 x LWC
2" diameter well = 0.163 x LWC
4" diameter well = 0.653 x LWC
6" diameter well = 1.469 x LWC

Samplers: K. Johnson, A. Naylor Sampler Affiliation: ERM

Purge Method/Equipment: Pump
Stabilization Test Equipment: Horiba YSF
Sampling Method/Equipment: Pump

| Stabilization Test: | | | | | | | | | |
|---------------------|------|--------------------------|---------------------|------|------------------------------|-----------------|------------------------|-----------------|----------|
| Date | Time | Cummulative Volume (gal) | Depth to Water (ft) | pH | Specific Conductance (µS/cm) | Turbidity (NTU) | Dissolved Oxygen (ppt) | Temperature (C) | ORP (mV) |
| 11/53 | 1453 | 0 | 91.41 | 9.84 | 2175 | - | 1.23 | 26.37 | 58.6 |
| 9/12/11 | 1456 | 9 | 91.42 | 9.82 | 2149 | - | 1.57 | 26.16 | 58.0 |
| | 1458 | 15 | 91.42 | 9.82 | 2147 | - | 1.68 | 26.11 | 58.0 |
| | 1500 | 21 | 91.42 | 9.79 | 2147 | - | 1.79 | 26.13 | 57.9 |
| | 1502 | 27 | 91.42 | 9.77 | 2147 | - | 1.85 | 26.11 | 57.4 |
| | 1504 | 33 | 91.42 | 9.77 | 2147 | - | 1.89 | 26.10 | 57.2 |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

Volume Purged Prior to Sample Collection: 33 Depth to Water during Sample Collection: 91.42

| Analysis/Parameter | Container/Volume | Preservative/Preparation |
|--------------------|------------------|--------------------------|
| VOC | 40 mL VOA x 3 | HCl |
| 1,4-Dioxane | 1L Amber x 2 | - |
| | | |
| | | |

Remarks: level III OU3 EW-21-S-091211
3 ppm, 11 mb



GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: OU3-6M

ERM
7272 E Indian School Rd.
Suite 100
Scottsdale, AZ 85251

Project: OU3 Sample Date: 9/12/11
Project Number: 0096498.030 Sample Time: 1025

Screened Interval: 152-172 Initial Depth to Water (ft): 89.35
Measured Well Depth (ft): 172.5 Length of Water Column (ft): 83.15
Well Inner Diameter (in): 4" 1 Well Volume (gal): 54.3 x 3 ≈ 163

Water Volume/ft. for:

- 1" diameter well = 0.041 x LWC
- 2" diameter well = 0.163 x LWC
- 4" diameter well = 0.653 x LWC
- 6" diameter well = 1.469 x LWC

Samplers: K Johnson, A Nagh Sampler Affiliation: ERM

Purge Method/Equipment: Pump

Stabilization Test Equipment: Horriba 45I

Sampling Method/Equipment: Pump

| Stabilization Test: | | | | | | | | | |
|---------------------|------|--------------------------|---------------------|-------|------------------------------|-----------------|------------------------|-----------------|----------|
| Date | Time | Cummulative Volume (gal) | Depth to Water (ft) | pH | Specific Conductance (µS/cm) | Turbidity (NTU) | Dissolved Oxygen (ppt) | Temperature (C) | ORP (mV) |
| 9/12/11 | 0930 | 0 | 89.35 | 10.11 | 1180 | - | 2.43 | 26.00 | 46.2 |
| | 0940 | 30 | 89.33 | 10.07 | 1178 | - | 2.23 | 26.41 | 35.9 |
| | 0950 | 60 | 89.33 | 10.03 | 1180 | - | 2.13 | 26.56 | 32.0 |
| | 1000 | 90 | 89.32 | 9.96 | 1179 | - | 1.96 | 26.58 | 35.9 |
| | 1010 | 120 | 89.33 | 10.04 | 1184 | - | 1.84 | 26.71 | 33.4 |
| | 1015 | 135 | 89.33 | 10.04 | 1182 | - | 1.71 | 26.67 | 33.5 |
| | 1020 | 150 | 89.33 | 10.02 | 1181 | - | 1.72 | 26.68 | 33.6 |
| | 1025 | 165 | 89.33 | 10.02 | 1180 | - | 1.69 | 26.65 | 33.3 |
| | | | | | | | | | |
| | | | | | | | | | |

Volume Purged Prior to Sample Collection: 54.3 165 Depth to Water during Sample Collection: 89.33

| Analysis/Parameter | Container/Volume | Preservative/Preparation |
|--------------------|------------------|--------------------------|
| VOC | 40 mL VOA x 3 | HCl |
| 1,4-Dioxane | 1L Amber x 2 | - |
| | | |
| | | |

Remarks: OU3-6M-M-091211
55 min, 25 ppm



GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: OU3-6D

ERM
7272 E Indian School Rd.
Suite 100
Scottsdale, AZ 85251

Project: OU3 Sample Date: 9/12/11
Project Number: 0096498.030 Sample Time: 0921

Screened Interval: 230-250 Initial Depth to Water (ft): 86.67
Measured Well Depth (ft): 261 Length of Water Column (ft): 174.3
Well Inner Diameter (in): 4" 1 Well Volume (gal): 113.8 x 3 = 342

| Water Volume/ft. for: |
|--------------------------------|
| 1" diameter well = 0.041 x LWC |
| 2" diameter well = 0.163 x LWC |
| 4" diameter well = 0.653 x LWC |
| 6" diameter well = 1.469 x LWC |

Samplers: H Johnson A Naylor Sampler Affiliation: ERM

Purge Method/Equipment: Pump
Stabilization Test Equipment: Horiba YSI
Sampling Method/Equipment: Pump

| Stabilization Test: | | | | | | | | | |
|---------------------|------|--------------------------|---------------------|-------|------------------------------------|-----------------|------------------------|-----------------|----------|
| Date | Time | Cummulative Volume (gal) | Depth to Water (ft) | pH | Specific Conductance (μ S/cm) | Turbidity (NTU) | Dissolved Oxygen (ppt) | Temperature (C) | ORP (mV) |
| 9/12/11 | 0846 | 0 | 86.65 | 10.00 | 1502 | - | 5.51 | 24.57 | 177.2 |
| | 0856 | 100 | 86.67 | 10.12 | 1563 | - | 4.49 | 24.29 | 67.6 |
| | 0901 | 150 | 86.68 | 10.12 | 1565 | - | 4.02 | 24.28 | 65.7 |
| | 0906 | 200 | 86.68 | 10.12 | 1679 | - | 3.48 | 24.33 | 60.1 |
| | 0911 | 250 | 86.69 | 10.12 | 1638 | - | 3.41 | 24.46 | 60.0 |
| | 0916 | 300 | 86.68 | 10.12 | 1609 | - | 3.35 | 24.51 | 58.6 |
| | 0921 | 350 | 86.68 | 10.12 | 1590 | - | 3.22 | 24.55 | 57.3 |
| | | | | | | | | | |
| | | | | | | | | | |

Volume Purged Prior to Sample Collection: 350 Depth to Water during Sample Collection: 86.68

| Analysis/Parameter | Container/Volume | Preservative/Preparation |
|--------------------|------------------|--------------------------|
| VOC | 40 mL VOA x 3 | HCl |
| 1,4-Dioxane | 1L Amber x 2 | - |
| | | |
| | | |

Remarks: OU3-6D-D-091211

10 ppm



GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: BE-MW-8

ERM
7272 E Indian School Rd.
Suite 100
Scottsdale, AZ 85251

Project: OU3 Sample Date: 9/12/11
Project Number: 0096498.030 Sample Time: 1624

Screened Interval: 75-105 Initial Depth to Water (ft): 85.48
Measured Well Depth (ft): 105 Length of Water Column (ft): 19.52
Well Inner Diameter (in): 4" 1 Well Volume (gal): 10.75 x 3 = 38

Water Volume/ft. for:
1" diameter well = 0.041 x LWC
2" diameter well = 0.163 x LWC
4" diameter well = 0.653 x LWC
6" diameter well = 1.469 x LWC

Samplers: A Nagler, K Johnson Sampler Affiliation: ERM

Purge Method/Equipment: Pump
Stabilization Test Equipment: Horriba 451
Sampling Method/Equipment: Pump

| Stabilization Test: | | | | | | | | | |
|---------------------|------|--------------------------|---------------------|------|------------------------------|-----------------|------------------------|-----------------|----------|
| Date | Time | Cummulative Volume (gal) | Depth to Water (ft) | pH | Specific Conductance (µS/cm) | Turbidity (NTU) | Dissolved Oxygen (ppt) | Temperature (C) | ORP (mV) |
| 9/12/11 | 1611 | 0 | 85.48 | 9.92 | 1345 | - | 0.86 | 26.60 | 61.57 |
| | 1616 | 15 | 85.50 | 9.92 | 1246 | - | 1.07 | 25.54 | 62.8 |
| | 1618 | 21 | 85.50 | 9.93 | 1216 | - | 1.27 | 25.31 | 59.7 |
| | 1620 | 27 | 85.50 | 9.93 | 1215 | - | 1.28 | 25.32 | 59.3 |
| | 1622 | 33 | 85.50 | 9.93 | 1213 | - | 1.28 | 25.31 | 59.0 |
| | 1624 | 39 | 85.50 | 9.93 | 1212 | - | 1.30 | 25.32 | 58.8 |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

Volume Purged Prior to Sample Collection: 39 Depth to Water during Sample Collection: 85.50

| Analysis/Parameter | Container/Volume | Preservative/Preparation |
|--------------------|------------------|--------------------------|
| VOC | 40 mL VOA x 3 | HCl |
| 1,4-Dioxane | 1L Amber x 2 | - |
| | | |
| | | |

Remarks: Field blank
BE-MW-8-S-091211
3 gpm, 13 min



GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: OU3-8M2

ERM
7272 E Indian School Rd.
Suite 100
Scottsdale, AZ 85251

Project: OU3 Sample Date: 9/13/11
Project Number: 0096498.030 Sample Time: 1523

Screened Interval: 205.5-225.6 Initial Depth to Water (ft): 92.91
Measured Well Depth (ft): 228 Length of Water Column (ft): 135.1
Well Inner Diameter (in): 4" 1 Well Volume (gal): 58.2 x 3 ≈ 265

Water Volume/ft. for:
1" diameter well = 0.041 x LWC
2" diameter well = 0.163 x LWC
4" diameter well = 0.653 x LWC
6" diameter well = 1.469 x LWC

Samplers: H Johnson, A Nagle Sampler Affiliation: ERM

Purge Method/Equipment: Pump
Stabilization Test Equipment: Horiba YSI
Sampling Method/Equipment: Pump

| Stabilization Test: | | | | | | | | | |
|---------------------|------|--------------------------|---------------------|-------|------------------------------|-----------------|------------------------|-----------------|----------|
| Date | Time | Cummulative Volume (gal) | Depth to Water (ft) | pH | Specific Conductance (µS/cm) | Turbidity (NTU) | Dissolved Oxygen (ppt) | Temperature (C) | ORP (mV) |
| 9/13/11 | 1456 | 0 | 92.90 | 10.02 | 1869 | - | 0.95 | 25.49 | 63.0 |
| | 1506 | 100 | 92.92 | 9.91 | 1865 | - | 1.54 | 25.92 | 58.8 |
| | 1509 | 130 | 92.93 | 9.96 | 1843 | - | 1.61 | 24.51 | 57.0 |
| | 1512 | 160 | 92.93 | 9.47 | 1830 | - | 1.69 | 24.51 | 55.4 |
| | 1515 | 190 | 92.93 | 9.07 | 1827 | - | 1.75 | 25.48 | 52.1 |
| | 1518 | 220 | 92.93 | 9.05 | 1825 | - | 1.80 | 25.47 | 51.7 |
| | 1521 | 250 | 92.93 | 9.02 | 1821 | - | 1.84 | 25.38 | 51.9 |
| | 1523 | 270 | 92.93 | 9.01 | 1822 | - | 1.87 | 25.20 | 51.1 |
| | | | | | | | | | |
| | | | | | | | | | |

Volume Purged Prior to Sample Collection: 270 Depth to Water during Sample Collection: 92.93

| Analysis/Parameter | Container/Volume | Preservative/Preparation |
|--------------------|------------------|--------------------------|
| VOC | 40 mL VOA x 3 | HCl |
| 1,4-Dioxane | 1L Amber x 2 | - |
| | | |
| | | |

Remarks: Level III
60 gpm, 27 min



ERM

GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: OU3-85

ERM
7272 E Indian School Rd.
Suite 100
Scottsdale, AZ 85251

Project: OU3 Sample Date: 9/13/11

Project Number: 0096498.030 Sample Time: 1:30

Screened Interval: 59.9-110.5 Initial Depth to Water (ft): 93.13

Measured Well Depth (ft): 110.5 Length of Water Column (ft): 17.4

Well Inner Diameter (in): 4" 1 Well Volume (gal): 11.3 x 3 ≈ 34

| Water Volume/ft. for: | |
|-----------------------|-------------|
| 1" diameter well = | 0.041 x LWC |
| 2" diameter well = | 0.163 x LWC |
| 4" diameter well = | 0.653 x LWC |
| 6" diameter well = | 1.469 x LWC |

Samplers: H. Johnson, A. Neagle Sampler Affiliation: ERM

Purge Method/Equipment: Pump

Stabilization Test Equipment: Horiba YSI

Sampling Method/Equipment: Pump

| Stabilization Test: | | | | | | | | | |
|---------------------|------|--------------------------|---------------------|------|------------------------------|-----------------|------------------------|-----------------|----------|
| Date | Time | Cummulative Volume (gal) | Depth to Water (ft) | pH | Specific Conductance (µS/cm) | Turbidity (NTU) | Dissolved Oxygen (ppt) | Temperature (C) | ORP (mV) |
| 9/13/11 | 1310 | 0 | 93.13 | 9.85 | 2240 | - | 1.43 | 26.93 | 48.6 |
| | 1312 | 6 | 93.14 | 9.84 | 2233 | - | 1.52 | 26.81 | 49.9 |
| | 1314 | 12 | 93.15 | 9.82 | 2225 | - | 1.63 | 26.74 | 50.3 |
| | 1316 | 18 | 93.15 | 9.82 | 2225 | - | 1.81 | 26.69 | 51.1 |
| | 1318 | 24 | 93.16 | 9.82 | 2224 | - | 1.83 | 26.71 | 51.3 |
| | 1320 | 30 | 93.16 | 9.82 | 2223 | - | 1.84 | 26.72 | 51.4 |
| | 1322 | 36 | 93.16 | 9.81 | 2221 | - | 1.81 | 26.70 | 52.1 |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

Volume Purged Prior to Sample Collection: 36 Depth to Water during Sample Collection: 93.16

| Analysis/Parameter | Container/Volume | Preservative/Preparation |
|--------------------|------------------|--------------------------|
| VOC | 40 mL VOA x 3 | HCl |
| 1,4-Dioxane | 1L Amber x 2 | - |
| | | |
| | | |

Remarks:
3 gpm, 12 min



GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: 003-8D

ERM
7272 E Indian School Rd.
Suite 100
Scottsdale, AZ 85251

Project: OU3 Sample Date: 9/13/11
Project Number: 0096498.030 Sample Time: 1301

Screened Interval: 260.5 - 270 Initial Depth to Water (ft): 90.80
Measured Well Depth (ft): 273 Length of Water Column (ft): 182.2
Well Inner Diameter (in): 4" 1 Well Volume (gal): 119 x 3 ≈ 357

| Water Volume/ft. for: |
|--------------------------------|
| 1" diameter well = 0.041 x LWC |
| 2" diameter well = 0.163 x LWC |
| 4" diameter well = 0.653 x LWC |
| 6" diameter well = 1.469 x LWC |

Samplers: H. Johnson, A. Nagle Sampler Affiliation: ERM

Purge Method/Equipment: Pump

Stabilization Test Equipment: Horiba USE

Sampling Method/Equipment: Pump

| Stabilization Test: | | | | | | | | | |
|---------------------|------|--------------------------|---------------------|-------|------------------------------|-----------------|------------------------|-----------------|----------|
| Date | Time | Cummulative Volume (gal) | Depth to Water (ft) | pH | Specific Conductance (MS/cm) | Turbidity (NTU) | Dissolved Oxygen (ppt) | Temperature (C) | ORP (mV) |
| 1243 | 1243 | 0 | 90.80 | 10.21 | 1155 | - | 1.26 | 25.38 | 174.4 |
| | 1246 | 60 | 90.83 | 10.19 | 1142 | - | 1.44 | 24.89 | 69.9 |
| | 1249 | 120 | 90.89 | 10.21 | 1143 | - | 1.78 | 25.00 | 67.2 |
| | 1252 | 180 | 90.91 | 10.23 | 1143 | - | 1.96 | 25.14 | 66.1 |
| | 1255 | 240 | 90.92 | 10.21 | 1145 | - | 2.04 | 25.18 | 65.4 |
| | 1258 | 300 | 90.92 | 10.22 | 1147 | - | 2.07 | 25.21 | 65.5 |
| | 1301 | 360 | 90.92 | 10.22 | 1151 | - | 2.08 | 25.29 | 65.9 |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

Volume Purged Prior to Sample Collection: 360 Depth to Water during Sample Collection: 90.92

| Analysis/Parameter | Container/Volume | Preservative/Preparation |
|--------------------|------------------|--------------------------|
| VOC | 40 mL VOA x 3 | HCl |
| 1,4-Dioxane | 1L Amber x 2 | -- |
| | | |
| | | |

Remarks: 003-8D-D-091311

20 gpm, 18 min



GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: OU3-10M2

ERM
7272 E Indian School Rd.
Suite 100
Scottsdale, AZ 85251

Project: OU3 Sample Date: 9/13/11
Project Number: 0096498.030 Sample Time: 0935

Screened Interval: 149.2 - 219.2 Initial Depth to Water (ft): 98.89
Measured Well Depth (ft): 225 Length of Water Column (ft): 126.1
Well Inner Diameter (in): 4" 1 Well Volume (gal): 82.3 x 3 = 247

| Water Volume/ft. for: |
|--------------------------------|
| 1" diameter well = 0.041 x LWC |
| 2" diameter well = 0.163 x LWC |
| 4" diameter well = 0.653 x LWC |
| 6" diameter well = 1.469 x LWC |

Samplers: H Johnson, A Nagle Sampler Affiliation: ERM

Purge Method/Equipment: Pump
Stabilization Test Equipment: Horiba 45T
Sampling Method/Equipment: Pump

| Stabilization Test: | | | | | | | | | |
|---------------------|------|--------------------------|---------------------|-------|------------------------------|-----------------|------------------------|-----------------|----------|
| Date | Time | Cummulative Volume (gal) | Depth to Water (ft) | pH | Specific Conductance (µS/cm) | Turbidity (NTU) | Dissolved Oxygen (ppt) | Temperature (C) | ORP (mV) |
| 9/13/11 | 910 | 0 | 98.89 | 10.51 | 1267 | - | 6.81 | 25.80 | 32.6 |
| | 915 | 50 | 98.93 | 10.44 | 1257 | - | 7.66 | 25.31 | 38.8 |
| | 920 | 100 | 98.95 | 10.37 | 1258 | - | 7.32 | 25.31 | 39.3 |
| | 925 | 150 | 98.96 | 10.29 | 1258 | - | 5.02 | 25.33 | 36.9 |
| | 930 | 200 | 98.96 | 10.23 | 1258 | - | 3.71 | 25.34 | 36.3 |
| | 935 | 250 | 98.96 | 10.21 | 1258 | - | 3.08 | 25.35 | 36.2 |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

Volume Purged Prior to Sample Collection: 250 Depth to Water during Sample Collection: 98.96

| Analysis/Parameter | Container/Volume | Preservative/Preparation |
|--------------------|------------------|--------------------------|
| VOC | 40 mL VOA x 3 | HCl |
| 1,4-Dioxane | 1L Amber x 2 | - |
| | | |
| | | |

Remarks: Duplicate
OU3-10M2-M-091311
OU3-10M2-M-091311-Q1
10 gpm, 25 min



GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: OU3-10M

ERM
7272 E Indian School Rd.
Suite 100
Scottsdale, AZ 85251

Project: OU3 Sample Date: 9/13/11
Project Number: 0096498.030 Sample Time: 1119

Screened Interval: 146.7 - 166.7 Initial Depth to Water (ft): 98.70
Measured Well Depth (ft): 10 + 166.7 - 166.7 Length of Water Column (ft): 71.3
Well Inner Diameter (in): 4" 1 Well Volume (gal): 46.5 x 3 = 140

Water Volume/ft. for:
1" diameter well = 0.041 x LWC
2" diameter well = 0.163 x LWC
4" diameter well = 0.653 x LWC
6" diameter well = 1.469 x LWC

Samplers: A Nugh, K Johnson Sampler Affiliation: ERM

Purge Method/Equipment: Pump
Stabilization Test Equipment: Horiba YSI
Sampling Method/Equipment: Pump

| Stabilization Test: | | | | | | | | | |
|---------------------|------|--------------------------|---------------------|------|------------------------------|-----------------|------------------------|-----------------|----------|
| Date | Time | Cummulative Volume (gal) | Depth to Water (ft) | pH | Specific Conductance (µS/cm) | Turbidity (NTU) | Dissolved Oxygen (ppt) | Temperature (C) | ORP (mV) |
| 9/13/11 | 1032 | 0 | 98.70 | 9.87 | 1288 | - | 2.03 | 26.21 | 53.9 |
| | 1042 | 30 | 98.71 | 9.84 | 1267 | - | 1.90 | 26.35 | 46.8 |
| | 1052 | 60 | 98.71 | 9.86 | 1267 | - | 1.88 | 26.41 | 31.6 |
| | 1057 | 75 | 98.72 | 9.85 | 1265 | - | 1.71 | 26.45 | 32.9 |
| | 1102 | 90 | 98.72 | 9.85 | 1265 | - | 1.70 | 26.40 | 35.7 |
| | 1107 | 105 | 98.72 | 9.85 | 1264 | - | 1.68 | 26.39 | 39. |
| | 1112 | 120 | 98.72 | 9.85 | 1264 | - | 1.68 | 26.38 | 42.1 |
| | 1117 | 135 | 98.72 | 9.85 | 1264 | - | 1.68 | 26.39 | 41.0 |
| | 1119 | 141 | 98.72 | 9.85 | 1264 | - | 1.65 | 26.37 | 40.3 |

Volume Purged Prior to Sample Collection: 141 Depth to Water during Sample Collection: 98.72

| Analysis/Parameter | Container/Volume | Preservative/Preparation |
|--------------------|------------------|--------------------------|
| VOC | 40 mL VOA x 3 | HCl |
| 1,4-Dioxane | 1L Amber x 2 | - |
| | | |
| | | |

Remarks: OU3-10M-M-091311

3 gpm, 47 min



GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: OU3-SSR

ERM
7272 E Indian School Rd.
Suite 100
Scottsdale, AZ 85251

Project: OU3 Sample Date: 9/14/11

Project Number: 0096498.030 Sample Time: 1051

Screened Interval: 69.7-119.7 Initial Depth to Water (ft): 91.50

Measured Well Depth (ft): 120 Length of Water Column (ft): 28.5

Well Inner Diameter (in): 4" 1 Well Volume (gal): 18.6 x 3 ≈ 55.8

| Water Volume/ft. for: |
|--------------------------------|
| 1" diameter well = 0.041 x LWC |
| 2" diameter well = 0.163 x LWC |
| 4" diameter well = 0.653 x LWC |
| 6" diameter well = 1.469 x LWC |

Samplers: K Johnson, A Nagh Sampler Affiliation: ERM

Purge Method/Equipment: Pump

Stabilization Test Equipment: Horiba YSE

Sampling Method/Equipment: Pump

| Stabilization Test: | | | | | | | | | |
|---------------------|------|-------------------------|---------------------|------|------------------------------|-----------------|------------------------|-----------------|----------|
| Date | Time | Cumulative Volume (gal) | Depth to Water (ft) | pH | Specific Conductance (µS/cm) | Turbidity (NTU) | Dissolved Oxygen (ppt) | Temperature (C) | ORP (mV) |
| 9/14 | 1033 | 0 | 91.50 | 6.42 | 1490 | - | 3.53 | 26.32 | 32.0 |
| | 1038 | 15 | 91.59 | 6.40 | 1539 | - | 3.70 | 26.36 | 30.4 |
| | 1043 | 30 | 91.67 | 6.40 | 1540 | - | 3.73 | 26.30 | 33.6 |
| | 1046 | 39 | 91.75 | 6.39 | 1537 | - | 3.66 | 26.28 | 35.5 |
| | 1049 | 48 | 91.75 | 6.38 | 1535 | - | 3.52 | 26.28 | 36.2 |
| | 1051 | 57 | 91.75 | 6.39 | 1534 | - | 3.74 | 26.28 | 36.0 |
| | 1052 | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

Volume Purged Prior to Sample Collection: 57 Depth to Water during Sample Collection: 91.78

| Analysis/Parameter | Container/Volume | Preservative/Preparation |
|--------------------|------------------|--------------------------|
| VOC | 40 mL VOA x 3 | HCl |
| 1,4-Dioxane | 1L Amber x 2 | - |
| | | |
| | | |

Remarks: level III
3 gpm, 19 min



GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: OU3-815

ERM
7272 E Indian School Rd.
Suite 100
Scottsdale, AZ 85251

Project: OU3 Sample Date: 9/14/11
Project Number: 0096498.030 Sample Time: 0910

Screened Interval: 69.7 - 119.7 Initial Depth to Water (ft): 88.46
Measured Well Depth (ft): 123 Length of Water Column (ft): 34.5
Well Inner Diameter (in): 4" 1 Well Volume (gal): 22.5 x 3 ≈ 68

| |
|--------------------------------|
| Water Volume/ft. for: |
| 1" diameter well = 0.041 x LWC |
| 2" diameter well = 0.163 x LWC |
| 4" diameter well = 0.653 x LWC |
| 6" diameter well = 1.469 x LWC |

Samplers: A Nagel, K Johnson Sampler Affiliation: ERM

Purge Method/Equipment: Pump
Stabilization Test Equipment: Horiba YSF
Sampling Method/Equipment: Pump

| Stabilization Test: | | | | | | | | | |
|---------------------|------|--------------------------|---------------------|------|------------------------------|-----------------|------------------------|-----------------|----------|
| Date | Time | Cummulative Volume (gal) | Depth to Water (ft) | pH | Specific Conductance (µS/cm) | Turbidity (NTU) | Dissolved Oxygen (ppt) | Temperature (C) | ORP (mV) |
| 9/14/11 | 0847 | 0 | 88.46 | 6.53 | 1094 | - | 2.51 | 25.53 | 47.7 |
| | 0857 | 30 | 88.49 | 6.43 | 1176 | - | 2.32 | 26.20 | 42.2 |
| | 0900 | 39 | 88.49 | 6.43 | 1179 | - | 2.35 | 26.31 | 43.9 |
| | 0903 | 48 | 88.49 | 6.43 | 1180 | - | 2.33 | 26.40 | 44.6 |
| | 0906 | 57 | 88.49 | 6.43 | 1183 | - | 2.33 | 26.45 | 45.1 |
| | 0909 | 66 | 88.49 | 6.42 | 1176 | - | 2.34 | 26.39 | 45.4 |
| | 0910 | 69 | 88.50 | 6.42 | 1176 | - | 2.34 | 26.38 | 45.4 |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

Volume Purged Prior to Sample Collection: 69 Depth to Water during Sample Collection: 88.50

| Analysis/Parameter | Container/Volume | Preservative/Preparation |
|--------------------|------------------|--------------------------|
| VOC | 40 mL VOA x 3 | HCl |
| 1,4-Dioxane | 1L Amber x 2 | - |
| | | |
| | | |

Remarks: OU3-115-S-091411

3 gpm, 23 min, Level III



GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: OU3-11M2

ERM
7272 E Indian School Rd.
Suite 100
Scottsdale, AZ 85251

Project: OU3 Sample Date: 9/14/11
Project Number: 0096498.030 Sample Time: 0718

Screened Interval: 196.7-216.7 Initial Depth to Water (ft): 88.39
Measured Well Depth (ft): 230 Length of Water Column (ft): 141.6
Well Inner Diameter (in): 4" 1 Well Volume (gal): 92.5 x 3 = 278

Water Volume/ft. for:
1" diameter well = 0.041 x LWC
2" diameter well = 0.163 x LWC
4" diameter well = 0.653 x LWC
6" diameter well = 1.469 x LWC

Samplers: K. Johnson, A. Nugh Sampler Affiliation: ERM

Purge Method/Equipment: Pump
Stabilization Test Equipment: Horiba TSE
Sampling Method/Equipment: Pump

| Stabilization Test: | | | | | | | | | |
|---------------------|--------|--------------------------|---------------------|------|------------------------------|-----------------|------------------------|-----------------|----------|
| Date | Time | Cummulative Volume (gal) | Depth to Water (ft) | pH | Specific Conductance (µS/cm) | Turbidity (NTU) | Dissolved Oxygen (ppt) | Temperature (C) | ORP (mV) |
| 9/14/11 | 0650 | 0 | 88.39 | 7.20 | 1087 | - | 5.90 | 24.08 | 52.5 |
| | 0655 | 50 | 88.41 | 7.03 | 1083 | - | 4.75 | 23.93 | 52.6 |
| | 7 0000 | 100 | 88.42 | 6.91 | 1081 | - | 3.87 | 23.85 | 52.6 |
| | 7 0005 | 150 | 88.42 | 6.77 | 1087 | - | 3.30 | 24.25 | 51.6 |
| | 7 0010 | 200 | 94.42 | 6.68 | 1086 | - | 3.16 | 24.24 | 53.0 |
| | 7 0015 | 250 | 94.42 | 6.68 | 1086 | - | 3.10 | 24.31 | 51.9 |
| | 7 0018 | 280 | 94.42 | 6.67 | 1089 | - | 2.92 | 24.37 | 51.1 |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

Volume Purged Prior to Sample Collection: 280 Depth to Water during Sample Collection: 94.42

| Analysis/Parameter | Container/Volume | Preservative/Preparation |
|--------------------|------------------|--------------------------|
| VOC | 40 mL VOA x 3 | HCl |
| 1,4-Dioxane | 1L Amber x 2 | - |
| | | |
| | | |

Remarks: 10 gpm, 2-8 min

OU3-11M2-M-091411



GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: OU3-11M

ERM
7272 E Indian School Rd.
Suite 100
Scottsdale, AZ 85251

Project: OU3 Sample Date: 9/14/11

Project Number: 0096498.030 Sample Time: 0822

Screened Interval: 153.7-173.7
~~153.7-173.7~~ Initial Depth to Water (ft): 88.54

Measured Well Depth (ft): 178 Length of Water Column (ft): 89.46

Well Inner Diameter (in): 4" 1 Well Volume (gal): 58.4 x 3 ≈ 175

| Water Volume/ft. for: |
|--------------------------------|
| 1" diameter well = 0.041 x LWC |
| 2" diameter well = 0.163 x LWC |
| 4" diameter well = 0.653 x LWC |
| 6" diameter well = 1.469 x LWC |

Samplers: K. Johnson A. Naylor Sampler Affiliation: ERM

Purge Method/Equipment: Pump

Stabilization Test Equipment: Horiba YSI

Sampling Method/Equipment: Pump

| Stabilization Test: | | | | | | | | | |
|---------------------|------|--------------------------|---------------------|------|------------------------------|-----------------|------------------------|-----------------|----------|
| Date | Time | Cummulative Volume (gal) | Depth to Water (ft) | pH | Specific Conductance (µS/cm) | Turbidity (NTU) | Dissolved Oxygen (ppt) | Temperature (C) | ORP (mV) |
| 9/14/11 | | | | | | | | | |
| 722 | 0722 | 0 | 88.55 | 6.71 | 10 82 | - | 2.28 | 26.21 | 45.0 |
| 732 | 0632 | 30 | 88.57 | 6.62 | 10 59 | - | 2.31 | 25.85 | 48.1 |
| 742 | 0642 | 60 | 88.57 | 6.58 | 10 65 | - | 2.24 | 25.74 | 46.9 |
| 752 | | 90 | 88.57 | 6.54 | 10 68 | - | 2.16 | 25.74 | 46.5 |
| 802 | | 120 | 88.57 | 6.53 | 10 68 | - | 2.12 | 25.73 | 45.5 |
| 812 | | 150 | 88.57 | 6.53 | 10 68 | - | 2.16 | 25.71 | 45.4 |
| 815 | | 159 | 88.57 | 6.53 | 10 68 | - | 2.16 | 25.72 | 44.8 |
| 818 | | 168 | 88.57 | 6.53 | 10 67 | - | 2.16 | 25.72 | 45.0 |
| 822 | | 180 | 88.57 | 6.52 | 10 67 | - | 2.08 | 25.72 | 45.3 |

Volume Purged Prior to Sample Collection: 180 Depth to Water during Sample Collection: 88.57

| Analysis/Parameter | Container/Volume | Preservative/Preparation |
|--------------------|------------------|--------------------------|
| VOC | 40 mL VOA x 3 | HCl |
| 1,4-Dioxane | 1L Amber x 2 | - |
| | | |
| | | |

Remarks: OU3-11M-M-091411

3 gpm, 60 min, [Signature]



GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: OU3-SM2

ERM
7272 E Indian School Rd.
Suite 100
Scottsdale, AZ 85251

Project: OU3 Sample Date: 9/14/11
Project Number: 0096498.030 Sample Time: 1139

Screened Interval: 202.7-222.7 Initial Depth to Water (ft): 91.60
Measured Well Depth (ft): 253 Length of Water Column (ft): 11.14
Well Inner Diameter (in): 4" 1 Well Volume (gal): 105.4 x 3 ≈ 316

| Water Volume/ft. for: | |
|-----------------------|---------------|
| 1" diameter well | = 0.041 x LWC |
| 2" diameter well | = 0.163 x LWC |
| 4" diameter well | = 0.653 x LWC |
| 6" diameter well | = 1.469 x LWC |

Samplers: K Johnson, A Nagle Sampler Affiliation: ERM

Purge Method/Equipment: Pump
Stabilization Test Equipment: Horiba YSI
Sampling Method/Equipment: Pump

| Stabilization Test: | | | | | | | | | |
|---------------------|------|--------------------------|---------------------|------|------------------------------|-----------------|------------------------|-----------------|----------|
| Date | Time | Cummulative Volume (gal) | Depth to Water (ft) | pH | Specific Conductance (µS/cm) | Turbidity (NTU) | Dissolved Oxygen (ppt) | Temperature (C) | ORP (mV) |
| 9/14/11 | 1107 | 0 | 91.60 | 6.43 | 1507 | - | 1.94 | 26.67 | 39.8 |
| | 1117 | 100 | 92.08 | 6.35 | 1437 | - | 1.95 | 24.92 | 37.5 |
| | 1127 | 150 | 92.08 | 6.47 | 1438 | - | 2.07 | 24.81 | 35.5 |
| | 1127 | 200 | 92.08 | 6.36 | 1439 | - | 1.99 | 25.10 | 34.4 |
| | 1132 | 250 | 92.08 | 6.41 | 1444 | - | 1.94 | 25.17 | 33.9 |
| | 1135 | 280 | 92.06 | 6.47 | 1451 | - | 2.12 | 25.57 | 33.2 |
| | 1137 | 300 | 92.06 | 6.49 | 1459 | - | 2.11 | 25.58 | 33.8 |
| | 1139 | 320 | 92.06 | 6.46 | 1462 | - | 2.11 | 25.65 | 34.6 |
| | | | | | | | | | |
| | | | | | | | | | |

Volume Purged Prior to Sample Collection: 320 Depth to Water during Sample Collection: 92.06

| Analysis/Parameter | Container/Volume | Preservative/Preparation |
|--------------------|------------------|--------------------------|
| VOC | 40 mL VOA x 3 | HCl |
| 1,4-Dioxane | 1L Amber x 3 | - |
| | | |
| | | |

Remarks: OU3-SM2-M-091411, MS/MSD
10 ppm, 32 min



GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: OU3-SMR

ERM
7272 E Indian School Rd.
Suite 100
Scottsdale, AZ 85251

Project: OU3 Sample Date: 9/14/11
Project Number: 0096498.030 Sample Time: 1253

Screened Interval: 148.7 - 168.7 Initial Depth to Water (ft): 91.65
Measured Well Depth (ft): 169 Length of Water Column (ft): 77.30
Well Inner Diameter (in): 4" 1 Well Volume (gal): 50.5 x 3 ≈ 152

| Water Volume/ft. for: |
|--------------------------------|
| 1" diameter well = 0.041 x LWC |
| 2" diameter well = 0.163 x LWC |
| 4" diameter well = 0.653 x LWC |
| 6" diameter well = 1.469 x LWC |

Samplers: B Johnson, A Nagh Sampler Affiliation: ERM

Purge Method/Equipment: Pump
Stabilization Test Equipment: Horiba YSF
Sampling Method/Equipment: Pump

| Stabilization Test: | | | | | | | | | |
|---------------------|------|--------------------------|---------------------|------|------------------------------|-----------------|------------------------|-----------------|----------|
| Date | Time | Cummulative Volume (gal) | Depth to Water (ft) | pH | Specific Conductance (µS/cm) | Turbidity (NTU) | Dissolved Oxygen (ppt) | Temperature (C) | ORP (mV) |
| 9/14/11 | 1202 | 0 | 91.65 | 6.45 | 1538 | - | 2.16 | 26.74 | 38.9 |
| | 1212 | 30 | 91.95 | 6.33 | 1560 | - | 2.28 | 27.80 | 36.1 |
| | 1222 | 60 | 91.95 | 6.23 | 1518 | - | 2.12 | 26.41 | 36.0 |
| | 1232 | 70 | 91.95 | 6.17 | 1509 | - | 2.13 | 26.37 | 35.1 |
| | 1242 | 120 | 91.95 | 6.12 | 1505 | - | 2.12 | 26.43 | 36.8 |
| | 1245 | 129 | 91.95 | 6.08 | 1501 | - | 2.12 | 26.36 | 34.4 |
| | 1248 | 137 | 91.95 | 6.11 | 1501 | - | 2.13 | 26.41 | 34.0 |
| | 1251 | 146 | 91.95 | 6.08 | 1501 | - | 2.13 | 26.42 | 33.8 |
| | 1253 | 152 | 91.95 | 6.10 | 1501 | - | 2.13 | 26.43 | 33.5 |

Volume Purged Prior to Sample Collection: 152 Depth to Water during Sample Collection: 91.75

| Analysis/Parameter | Container/Volume | Preservative/Preparation |
|--------------------|------------------|--------------------------|
| VOC | 40 mL VOA x 3 | HCl |
| 1,4-Dioxane | 1L Amber x 2 | - |
| | | |
| | | |

Remarks: OU3-SMR-M-091411, Duplicate

3 gpm, 51 min



GROUNDWATER SAMPLING FIELD DATA FORM
Well Identification: OU3-SDR

ERM
7272 E Indian School Rd.
Suite 100
Scottsdale, AZ 85251

Project: OU3 Sample Date: 9/14/11
Project Number: 0096498.030 Sample Time: 1406

Screened Interval: 232.7 - 252.7 Initial Depth to Water (ft): 87.49
Measured Well Depth (ft): 253 Length of Water Column (ft): 165.5
Well Inner Diameter (in): 4" 1 Well Volume (gal): 108.1 x 3 ≈ 325

| Water Volume/ft. for: |
|--------------------------------|
| 1" diameter well = 0.041 x LWC |
| 2" diameter well = 0.163 x LWC |
| 4" diameter well = 0.653 x LWC |
| 6" diameter well = 1.469 x LWC |

Samplers: K Johnson A Nagel Sampler Affiliation: ERM

Purge Method/Equipment: _____ Pump
Stabilization Test Equipment: Horiba YSE
Sampling Method/Equipment: _____ Pump

| Stabilization Test: | | | | | | | | | |
|---------------------|-------|--------------------------|---------------------|------|------------------------------|-----------------|------------------------|-----------------|----------|
| Date | Time | Cummulative Volume (gal) | Depth to Water (ft) | pH | Specific Conductance (µS/cm) | Turbidity (NTU) | Dissolved Oxygen (ppt) | Temperature (C) | ORP (mV) |
| 9/14 | 13 33 | 0 | 87.49 | 6.73 | 1301 | - | 2.19 | 30.78 | 4.8 |
| | 13 43 | 100 | 88.73 | 6.33 | 1385 | - | 1.88 | 24.32 | 20.6 |
| | 13 53 | 200 | 89.81 | 6.40 | 1409 | - | 2.39 | 24.33 | 22.5 |
| | 13 58 | 250 | 89.80 | 6.31 | 1410 | - | 2.37 | 24.38 | 26.27.4 |
| | 14 01 | 280 | 89.80 | 6.33 | 1410 | - | 2.35 | 24.32 | 28.1 |
| | 14 04 | 310 | 89.80 | 6.34 | 1411 | - | 2.35 | 24.42 | 28.5 |
| | 14 06 | 330 | 89.80 | 6.34 | 1412 | - | 2.36 | 24.51 | 28.7 |
| | | | | | | | | | |
| | | | | | | | | | |

Volume Purged Prior to Sample Collection: 330 Depth to Water during Sample Collection: 89.80

| Analysis/Parameter | Container/Volume | Preservative/Preparation |
|--------------------|------------------|--------------------------|
| VOC | 40 mL VOA x 3 | HCl |
| 1,4-Dioxane | 1L Amber x 2 | - |
| | | |
| | | |

Remarks: OU3-SDR-D-091411
18 gpm, 33 min



GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: EW-20

ERM
7272 E Indian School Rd.
Suite 100
Scottsdale, AZ 85251

Project: OU3 Sample Date: 9/15/11

Project Number: 0096498.030 Sample Time: 1351

Screened Interval: 59-109 Initial Depth to Water (ft): 92.47

Measured Well Depth (ft): 109 Length of Water Column (ft): 16.5

Well Inner Diameter (in): 4" 1 Well Volume (gal): 10.8 x 3 = 33

Water Volume/ft. for:
1" diameter well = 0.041 x LWC
2" diameter well = 0.163 x LWC
4" diameter well = 0.653 x LWC
6" diameter well = 1.469 x LWC

Samplers: H Johnson, A Nagle Sampler Affiliation: ERM

Purge Method/Equipment: Pump

Stabilization Test Equipment: Horriba YSF

Sampling Method/Equipment: Pump

| Stabilization Test: | | | | | | | | | |
|---------------------|------|--------------------------|---------------------|------|------------------------------|-----------------|------------------------|-----------------|----------|
| Date | Time | Cummulative Volume (gal) | Depth to Water (ft) | pH | Specific Conductance (µS/cm) | Turbidity (NTU) | Dissolved Oxygen (ppt) | Temperature (C) | ORP (mV) |
| 9/15/11 | 1340 | 0 | 92.48 | 6.41 | 1706 | - | 2.02 | 28.85 | 57.2 |
| | 1343 | 9 | 92.73 | 6.22 | 1704 | - | 1.34 | 26.82 | 65.1 |
| | 1345 | 15 | 92.74 | 6.19 | 1703 | - | 1.78 | 26.70 | 58.4 |
| | 1347 | 21 | 92.74 | 6.17 | 1700 | - | 1.98 | 26.39 | 56.8 |
| | 1349 | 27 | 92.74 | 6.16 | 1699 | - | 2.01 | 26.31 | 56.3 |
| | 1351 | 33 | 92.74 | 6.16 | 1699 | - | 2.05 | 26.26 | 56.2 |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

Volume Purged Prior to Sample Collection: 33 Depth to Water during Sample Collection: 92.74

| Analysis/Parameter | Container/Volume | Preservative/Preparation |
|--------------------|------------------|--------------------------|
| VOC | 40 mL VOA x 3 | HCl |
| 1,4-Dioxane | 1L Amber x 2 | - |
| | | |
| | | |

Remarks: Duplicate
OU3
EW-20-S-091511
EW-20-S-091511-Q1
3 gpm, 11 min



GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: OU3-2M

ERM
7272 E Indian School Rd.
Suite 100
Scottsdale, AZ 85251

Project: OU3 Sample Date: 9/15/11
Project Number: 0096498.030 Sample Time: 1304

Screened Interval: 150-170 Initial Depth to Water (ft): 86.08
Measured Well Depth (ft): 175 Length of Water Column (ft): 88.9
Well Inner Diameter (in): 4" 1 Well Volume (gal): 58 x 3 = 174

| Water Volume/ft. for: | |
|-----------------------|---------------|
| 1" diameter well | = 0.041 x LWC |
| 2" diameter well | = 0.163 x LWC |
| 4" diameter well | = 0.653 x LWC |
| 6" diameter well | = 1.469 x LWC |

Samplers: H Johnson, A Nagel Sampler Affiliation: ERM

Purge Method/Equipment: Pump

Stabilization Test Equipment: Horiba YSE

Sampling Method/Equipment: Pump

| Stabilization Test: | | | | | | | | | |
|---------------------|------|--------------------------|---------------------|------|------------------------------|-----------------|------------------------|-----------------|----------|
| Date | Time | Cummulative Volume (gal) | Depth to Water (ft) | pH | Specific Conductance (µS/cm) | Turbidity (NTU) | Dissolved Oxygen (ppt) | Temperature (C) | ORP (mV) |
| 9/15/11 | 1206 | 0 | 86.08 | 6.22 | 1393 | - | 2.15 | 27.13 | 24.0 |
| | 1216 | 30 | 86.17 | 6.24 | 1388 | - | 2.14 | 27.10 | 25.2 |
| | 1226 | 60 | 86.17 | 6.26 | 1392 | - | 1.99 | 27.14 | 36.7 |
| | 1236 | 90 | 86.18 | 6.22 | 1387 | - | 1.97 | 26.92 | 46.7 |
| | 1246 | 120 | 86.18 | 6.22 | 1380 | - | 1.95 | 26.67 | 49.6 |
| | 1251 | 135 | 86.18 | 6.20 | 1386 | - | 2.11 | 26.94 | 44.0 |
| | 1256 | 150 | 86.18 | 6.25 | 1391 | - | 2.09 | 27.10 | 44.6 |
| | 1301 | 165 | 86.18 | 6.25 | 1394 | - | 2.04 | 27.22 | 45.9 |
| | 1304 | 174 | 86.18 | 6.24 | 1394 | - | 2.02 | 27.25 | 46.0 |

Volume Purged Prior to Sample Collection: 174 Depth to Water during Sample Collection: 86.18

| Analysis/Parameter | Container/Volume | Preservative/Preparation |
|--------------------|------------------|--------------------------|
| VOC | 40 mL VOA x 3 | HCl |
| 1,4-Dioxane | 1L Amber x 1 | - |
| | | |
| | | |

Remarks: Level III * Well casing deteriorated/caved in @ 10ft by *
5 gpm, 58 min
OU3-2M-M-091511



GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: EW-195

ERM
7272 E Indian School Rd.
Suite 100
Scottsdale, AZ 85251

Project: OU3 Sample Date: 9/15/11
Project Number: 0096498.030 Sample Time: 1118

Screened Interval: 57-107 Initial Depth to Water (ft): 85.87
Measured Well Depth (ft): 112 Length of Water Column (ft): 26.13
Well Inner Diameter (in): 4" 1 Well Volume (gal): 17 x 3 ≈ 51

Water Volume/ft. for:
1" diameter well = 0.041 x LWC
2" diameter well = 0.163 x LWC
4" diameter well = 0.653 x LWC
6" diameter well = 1.469 x LWC

Samplers: K Johnson, A Naylor Sampler Affiliation: ERM

Purge Method/Equipment: Pump
Stabilization Test Equipment: Horiba YSE
Sampling Method/Equipment: Pump

| Stabilization Test: | | | | | | | | | |
|---------------------|------|--------------------------|---------------------|------|------------------------------|-----------------|------------------------|-----------------|----------|
| Date | Time | Cummulative Volume (gal) | Depth to Water (ft) | pH | Specific Conductance (µS/cm) | Turbidity (NTU) | Dissolved Oxygen (ppt) | Temperature (C) | ORP (mV) |
| 9/15/11 | 1101 | 0 | 85.90 | 6.43 | 1475 | - | 1.71 | 27.44 | 36.9 |
| | 1106 | 15 | 86.35 | 6.17 | 1449 | - | 1.82 | 27.16 | 36.9 |
| | 1109 | 24 | 86.34 | 6.15 | 1449 | - | 1.80 | 27.18 | 36.9 |
| | 1112 | 33 | 86.35 | 6.14 | 1449 | - | 1.79 | 27.18 | 37.1 |
| | 1115 | 42 | 86.35 | 6.14 | 1449 | - | 1.78 | 27.20 | 37.0 |
| | 1118 | 51 | 86.35 | 6.12 | 1449 | - | 1.84 | 27.15 | 36.8 |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

Volume Purged Prior to Sample Collection: 51 Depth to Water during Sample Collection: 86.35

| Analysis/Parameter | Container/Volume | Preservative/Preparation |
|--------------------|------------------|--------------------------|
| VOC | 40 mL VOA x 3 | HCl |
| 1,4-Dioxane | 1L Amber x 2 | - |
| | | |
| | | |

Remarks: MS/MSD
EW-195-S-091511, EW-195-S-091511-MSMSD
3 gpm, 17 min



GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: EW-19 D

ERM
7272 E Indian School Rd.
Suite 100
Scottsdale, AZ 85251

Project: OU3 Sample Date: 9/15/11
Project Number: 0096498.030 Sample Time: 1052

Screened Interval: 247-267 Initial Depth to Water (ft): 79.63
Measured Well Depth (ft): 270 Length of Water Column (ft): 190.4
Well Inner Diameter (in): 4" 1 Well Volume (gal): 124.3 x 3 ≈ 373

Water Volume/ft. for:
1" diameter well = 0.041 x LWC
2" diameter well = 0.163 x LWC
4" diameter well = 0.653 x LWC
6" diameter well = 1.469 x LWC

Samplers: K Johnson, A Nagle Sampler Affiliation: ERM

Purge Method/Equipment: Pump
Stabilization Test Equipment: Horiba YSI
Sampling Method/Equipment: Pump

| Stabilization Test: | | | | | | | | | |
|---------------------|------|--------------------------|---------------------|------|------------------------------|-----------------|------------------------|-----------------|---------------------|
| Date | Time | Cummulative Volume (gal) | Depth to Water (ft) | pH | Specific Conductance (µS/cm) | Turbidity (NTU) | Dissolved Oxygen (ppt) | Temperature (C) | ORP (mV) |
| 9/15/11 | 1014 | 0 | 79.63 | 7.65 | 1989 | - | 1.51 | 27.32 | 35 -81.2 |
| | 1024 | 100 | 82.41 | 6.64 | 1520 | ✓ | 2.14 | 24.85 | 20.9 |
| | 1034 | 200 | 82.49 | 6.72 | 1557 | - | 2.26 | 26.17 | 28.8 |
| | 1039 | 250 | 82.49 | 6.76 | 1581 | - | 2.22 | 26.02 | 29.7 |
| | 1044 | 300 | 82.49 | 6.76 | 1586 | - | 2.21 | 25.86 | 30.8 |
| | 1048 | 340 | 82.49 | 6.67 | 1536 | ✓ | 2.11 | 25.78 | 30.0 |
| | 1052 | 380 | 82.49 | 6.64 | 1525 | ✓ | 1.82 | 25.69 | 30.2 |
| | | | | | | | | | |
| | | | | | | | | | |

Volume Purged Prior to Sample Collection: 380 Depth to Water during Sample Collection: 1052

| Analysis/Parameter | Container/Volume | Preservative/Preparation |
|--------------------|------------------|--------------------------|
| VOC | 40 mL VOA x 3 | HCl |
| 1,4-Dioxane | 1L Amber x 2 | - |
| | | |
| | | |

Remarks: EW-19D-D 091511
10 gal, 38 min



GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: OU3-13M

ERM
7272 E Indian School Rd.
Suite 100
Scottsdale, AZ 85251

Project: OU3 Sample Date: 9/15/11
Project Number: 0096498.030 Sample Time: 0902

Screened Interval: 154.7-174.7 Initial Depth to Water (ft): 90.34
Measured Well Depth (ft): 175 Length of Water Column (ft): 84.7
Well Inner Diameter (in): 4" 1 Well Volume (gal): 55.3 x 3 = 166

| Water Volume/ft. for: |
|--------------------------------|
| 1" diameter well = 0.041 x LWC |
| 2" diameter well = 0.163 x LWC |
| 4" diameter well = 0.653 x LWC |
| 6" diameter well = 1.469 x LWC |

Samplers: K Johnson, A Nagh Sampler Affiliation: ERM

Purge Method/Equipment: Pump
Stabilization Test Equipment: Horiba YSF
Sampling Method/Equipment: Pump

| Stabilization Test: | | | | | | | | | |
|---------------------|------|--------------------------|---------------------|------|------------------------------|-----------------|------------------------|-----------------|----------|
| Date | Time | Cummulative Volume (gal) | Depth to Water (ft) | pH | Specific Conductance (MS/cm) | Turbidity (NTU) | Dissolved Oxygen (ppt) | Temperature (C) | ORP (mV) |
| 9/15/11 | 0807 | 0 | 90.34 | 6.08 | 2447 | - | 2.34 | 25.18 | 66.1 |
| | 0817 | 30 | 90.65 | 6.11 | 2463 | - | 2.39 | 25.37 | 59.0 |
| | 0827 | 60 | 90.66 | 6.15 | 2482 | - | 2.36 | 25.64 | 50.2 |
| | 0837 | 90 | 90.66 | 6.20 | 2489 | - | 1.89 | 25.57 | 57.4 |
| | 0847 | 120 | 90.66 | 6.22 | 25.00 | - | 1.82 | 25.83 | 51.9 |
| | 0852 | 150 135 | 90.66 | 6.18 | 2492 | - | 1.82 | 25.86 | |
| | 0857 | 18 150 | 90.66 | 6.17 | 2486 | - | 1.83 | 25.99 | 47.8 |
| | 0902 | 165 | 90.66 | 6.17 | 2486 | - | 1.83 | 25.89 | 46.6 |

Volume Purged Prior to Sample Collection: 165 Depth to Water during Sample Collection: 90.66

| Analysis/Parameter | Container/Volume | Preservative/Preparation |
|--------------------|------------------|--------------------------|
| VOC | 40 mL VOA x 3 | HCl |
| 1,4-Dioxane | 1L Amber x 2 | - |
| | | |
| | | |

Remarks: OU3-13M-M-091511
3 gpm, 55 min



GROUNDWATER SAMPLING FIELD DATA FORM

Well Identification: 003-13D

ERM
7272 E Indian School Rd.
Suite 100
Scottsdale, AZ 85251

Project: OU3 Sample Date: 9/15/11
Project Number: 0096498.030 Sample Time: 0756

Screened Interval: 224.7-244.7 Initial Depth to Water (ft): 98.10
Measured Well Depth (ft): 250 Length of Water Column (ft): 151.9
Well Inner Diameter (in): 4" 1 Well Volume (gal): 99.2 x 3 = 297

Water Volume/ft. for:
1" diameter well = 0.041 x LWC
2" diameter well = 0.163 x LWC
4" diameter well = 0.653 x LWC
6" diameter well = 1.469 x LWC

Samplers: K Johnson, A Nych Sampler Affiliation: ERM

Purge Method/Equipment: Pump
Stabilization Test Equipment: Horiba PSE
Sampling Method/Equipment: Pump

| Stabilization Test: | | | | | | | | | |
|---------------------|------|--------------------------|---------------------|------|------------------------------|-----------------|------------------------|-----------------|----------|
| Date | Time | Cummulative Volume (gal) | Depth to Water (ft) | pH | Specific Conductance (µS/cm) | Turbidity (NTU) | Dissolved Oxygen (ppt) | Temperature (C) | ORP (mV) |
| 9/15 | 0726 | 0 | 98.10 | 6.59 | 1669 | - | - | 23.85 | 43.2 |
| | 0736 | 100 | 100.01 | 6.64 | 1759 | - | - | 24.47 | 40.2 |
| | 0731 | 150 | 100.86 | 6.66 | 1763 | - | - | 24.75 | 40.1 |
| | 0746 | 200 | 100.86 | 6.67 | 1771 | - | - | 24.85 | 37.8 |
| | 0751 | 250 | 100.86 | 6.67 | 1771 | - | - | 24.59 | 37.9 |
| | 0756 | 300 | 100.86 | 6.67 | 1772 | - | - | 24.94 | 37.6 |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

Volume Purged Prior to Sample Collection: 300 Depth to Water during Sample Collection: _____

| Analysis/Parameter | Container/Volume | Preservative/Preparation |
|--------------------|------------------|--------------------------|
| VOC | 40 mL VOA x 3 | HCl |
| 1,4-Dioxane | 1L Amber x 2 | - |
| | | |
| | | |

Remarks: level III
10am, 30-min
003-13D-D-091511
DO Reading 999.99, will clean sensor after purge.

UNSCANNABLE MEDIA

To use the unscannable media document # 2251851
contact the Region IX Superfund Records Center

Appendix B
Laboratory Analytical Results
(Level III Data on CD)

LABORATORY REPORT

Prepared For: Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project: 0096498.030 OU3

Sampled: 09/08/11
Received: 09/08/11
Revised: 11/21/11 15:14

NELAP #01109CA Arizona DHS#AZ0728

*The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica. The Chain of Custody, 1 page, is included and is an integral part of this report.
This entire report was reviewed and approved for release.*

CASE NARRATIVE

| LABORATORY ID | CLIENT ID | MATRIX |
|---------------|------------------|--------|
| PUI0468-01 | OU3-4S-S-090811 | Water |
| PUI0468-02 | OU3-7S-S-090811 | Water |
| PUI0468-03 | OU3-7M2-M-090811 | Water |
| PUI0468-04 | OU3-14M-M-090811 | Water |
| PUI0468-05 | OU3-14D-D-090811 | Water |
| PUI0468-06 | GW-EB1-090811 | Water |
| PUI0468-07 | GW-L1-1-090811 | Water |

SAMPLE RECEIPT: Samples were received intact, at 1°C, on ice and with chain of custody documentation.

HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the TestAmerica Sample Acceptance Policy unless otherwise noted in the report.

PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

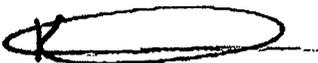
QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers. S10-Surrogate recovery was above acceptance limits.

COMMENTS: No significant observations were made.

SUBCONTRACTED: No analyses were subcontracted to an outside laboratory.

ADDITIONAL INFORMATION: Report revised to reflect QAPP limits.

Reviewed By:



TestAmerica Phoenix

Kylie Emily
Project Manager

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030 OU3

Report Number: PUI0468

Sampled: 09/08/11
Received: 09/08/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------------|-------------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0468-01 (OU3-4S-S-090811 - Water) | | | | Sampled: 09/08/11 | | | | |
| Reporting Units: ug/l | | | | | | | | |
| Acetone | EPA 8260B | 11I0411 | 10 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Benzene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Bromobenzene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Bromochloromethane | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Bromodichloromethane | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Bromoform | EPA 8260B | 11I0411 | 1.0 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Bromomethane | EPA 8260B | 11I0411 | 1.0 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 2-Butanone (MEK) | EPA 8260B | 11I0411 | 2.5 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| n-Butylbenzene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| sec-Butylbenzene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| tert-Butylbenzene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Carbon disulfide | EPA 8260B | 11I0411 | 1.0 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Carbon tetrachloride | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Chlorobenzene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Chloroethane | EPA 8260B | 11I0411 | 1.0 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Chloroform | EPA 8260B | 11I0411 | 0.50 | 0.97 | 1 | 9/13/2011 | 9/13/2011 | |
| Chloromethane | EPA 8260B | 11I0411 | 1.0 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 2-Chlorotoluene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 4-Chlorotoluene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Dibromochloromethane | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,2-Dibromo-3-chloropropane | EPA 8260B | 11I0411 | 2.5 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,2-Dibromoethane (EDB) | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Dibromomethane | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,2-Dichlorobenzene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,3-Dichlorobenzene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,4-Dichlorobenzene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Dichlorodifluoromethane | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,1-Dichloroethane | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,2-Dichloroethane | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,1-Dichloroethene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| cis-1,2-Dichloroethene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| trans-1,2-Dichloroethene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,2-Dichloropropane | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,3-Dichloropropane | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 2,2-Dichloropropane | EPA 8260B | 11I0411 | 1.0 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,1-Dichloropropene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| cis-1,3-Dichloropropene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| trans-1,3-Dichloropropene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Ethylbenzene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Hexachlorobutadiene | EPA 8260B | 11I0411 | 1.0 | ND | 1 | 9/13/2011 | 9/13/2011 | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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PUI0468 <Page 2 of 39>

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030 OU3

Report Number: PUI0468

Sampled: 09/08/11
Received: 09/08/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------------|---------------|-----------------|-------------------|---------------|-----------------|
| Sample ID: PUI0468-01 (OU3-4S-S-090811 - Water) - cont. | | | | | | Sampled: 09/08/11 | | |
| Reporting Units: ug/l | | | | | | | | |
| 2-Hexanone | EPA 8260B | 1110411 | 2.5 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Iodomethane | EPA 8260B | 1110411 | 2.5 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Isopropylbenzene | EPA 8260B | 1110411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| p-Isopropyltoluene | EPA 8260B | 1110411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Methylene Chloride | EPA 8260B | 1110411 | 1.0 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 4-Methyl-2-pentanone (MIBK) | EPA 8260B | 1110411 | 2.5 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Methyl-tert-butyl Ether (MTBE) | EPA 8260B | 1110411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Naphthalene | EPA 8260B | 1110411 | 2.5 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| n-Propylbenzene | EPA 8260B | 1110411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Styrene | EPA 8260B | 1110411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,1,1,2-Tetrachloroethane | EPA 8260B | 1110411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,1,2,2-Tetrachloroethane | EPA 8260B | 1110411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Tetrachloroethene | EPA 8260B | 1110411 | 0.50 | 2.5 | 1 | 9/13/2011 | 9/13/2011 | |
| Toluene | EPA 8260B | 1110411 | 0.50 | 0.89 | 1 | 9/13/2011 | 9/13/2011 | |
| 1,2,3-Trichlorobenzene | EPA 8260B | 1110411 | 1.0 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,2,4-Trichlorobenzene | EPA 8260B | 1110411 | 1.0 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,1,1-Trichloroethane | EPA 8260B | 1110411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,1,2-Trichloroethane | EPA 8260B | 1110411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Trichloroethene | EPA 8260B | 1110411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Trichlorofluoromethane | EPA 8260B | 1110411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,2,3-Trichloropropane | EPA 8260B | 1110411 | 1.0 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,2,4-Trimethylbenzene | EPA 8260B | 1110411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,3,5-Trimethylbenzene | EPA 8260B | 1110411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Vinyl Acetate | EPA 8260B | 1110411 | 1.0 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Vinyl chloride | EPA 8260B | 1110411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Xylenes, Total | EPA 8260B | 1110411 | 1.5 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Freon 113 | EPA 8260B | 1110411 | 2.0 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Surrogate: Dibromofluoromethane (80-130%) | | | | | | | | 95 % |
| Surrogate: Toluene-d8 (80-120%) | | | | | | | | 100 % |
| Surrogate: 4-Bromofluorobenzene (80-125%) | | | | | | | | 90 % |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
 7272 E. Indian School Rd., Ste. 100
 Scottsdale, AZ 85251
 Attention: Jason Hilker

Project ID: 0096498.030 OU3

Report Number: PUI0468

Sampled: 09/08/11
 Received: 09/08/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------------|-------------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0468-02 (OU3-7S-S-090811 - Water) | | | | Sampled: 09/08/11 | | | | |
| Reporting Units: ug/l | | | | | | | | |
| Freon 113 | EPA 8260B | 11I0411 | 2.0 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Sample ID: PUI0468-02RE1 (OU3-7S-S-090811 - Water) | | | | Sampled: 09/08/11 | | | | |
| Reporting Units: ug/l | | | | | | | | |
| Acetone | EPA 8260B | 11I0469 | 10 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Benzene | EPA 8260B | 11I0469 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Bromobenzene | EPA 8260B | 11I0469 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Bromochloromethane | EPA 8260B | 11I0469 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Bromodichloromethane | EPA 8260B | 11I0469 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Bromoform | EPA 8260B | 11I0469 | 1.0 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Bromomethane | EPA 8260B | 11I0469 | 1.0 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 2-Butanone (MEK) | EPA 8260B | 11I0469 | 2.5 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| n-Butylbenzene | EPA 8260B | 11I0469 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| sec-Butylbenzene | EPA 8260B | 11I0469 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| tert-Butylbenzene | EPA 8260B | 11I0469 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Carbon disulfide | EPA 8260B | 11I0469 | 1.0 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Carbon tetrachloride | EPA 8260B | 11I0469 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Chlorobenzene | EPA 8260B | 11I0469 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Chloroethane | EPA 8260B | 11I0469 | 1.0 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Chloroform | EPA 8260B | 11I0469 | 0.50 | 1.2 | 1 | 9/14/2011 | 9/14/2011 | |
| Chloromethane | EPA 8260B | 11I0469 | 1.0 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 2-Chlorotoluene | EPA 8260B | 11I0469 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 4-Chlorotoluene | EPA 8260B | 11I0469 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Dibromochloromethane | EPA 8260B | 11I0469 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,2-Dibromo-3-chloropropane | EPA 8260B | 11I0469 | 2.5 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,2-Dibromoethane (EDB) | EPA 8260B | 11I0469 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Dibromomethane | EPA 8260B | 11I0469 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,2-Dichlorobenzene | EPA 8260B | 11I0469 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,3-Dichlorobenzene | EPA 8260B | 11I0469 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,4-Dichlorobenzene | EPA 8260B | 11I0469 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Dichlorodifluoromethane | EPA 8260B | 11I0469 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,1-Dichloroethane | EPA 8260B | 11I0469 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,2-Dichloroethane | EPA 8260B | 11I0469 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,1-Dichloroethene | EPA 8260B | 11I0469 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| cis-1,2-Dichloroethene | EPA 8260B | 11I0469 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| trans-1,2-Dichloroethene | EPA 8260B | 11I0469 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,2-Dichloropropane | EPA 8260B | 11I0469 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,3-Dichloropropane | EPA 8260B | 11I0469 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 2,2-Dichloropropane | EPA 8260B | 11I0469 | 1.0 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,1-Dichloropropene | EPA 8260B | 11I0469 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| cis-1,3-Dichloropropene | EPA 8260B | 11I0469 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |

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Kylie Emily
 Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030 OU3

Report Number: PUI0468

Sampled: 09/08/11

Received: 09/08/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------------|---------------|-----------------|-------------------|---------------|-----------------|
| Sample ID: PUI0468-02RE1 (OU3-7S-S-090811 - Water) - cont. | | | | | | Sampled: 09/08/11 | | |
| Reporting Units: ug/l | | | | | | | | |
| trans-1,3-Dichloropropene | EPA 8260B | 11I0469 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Ethylbenzene | EPA 8260B | 11I0469 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Hexachlorobutadiene | EPA 8260B | 11I0469 | 1.0 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 2-Hexanone | EPA 8260B | 11I0469 | 2.5 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Iodomethane | EPA 8260B | 11I0469 | 2.5 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Isopropylbenzene | EPA 8260B | 11I0469 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| p-Isopropyltoluene | EPA 8260B | 11I0469 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Methylene Chloride | EPA 8260B | 11I0469 | 1.0 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 4-Methyl-2-pentanone (MIBK) | EPA 8260B | 11I0469 | 2.5 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Methyl-tert-butyl Ether (MTBE) | EPA 8260B | 11I0469 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Naphthalene | EPA 8260B | 11I0469 | 2.5 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| n-Propylbenzene | EPA 8260B | 11I0469 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Styrene | EPA 8260B | 11I0469 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,1,1,2-Tetrachloroethane | EPA 8260B | 11I0469 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,1,2,2-Tetrachloroethane | EPA 8260B | 11I0469 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Tetrachloroethene | EPA 8260B | 11I0469 | 0.50 | 2.8 | 1 | 9/14/2011 | 9/14/2011 | |
| Toluene | EPA 8260B | 11I0469 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,2,3-Trichlorobenzene | EPA 8260B | 11I0469 | 1.0 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,2,4-Trichlorobenzene | EPA 8260B | 11I0469 | 1.0 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,1,1-Trichloroethane | EPA 8260B | 11I0469 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,1,2-Trichloroethane | EPA 8260B | 11I0469 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Trichloroethene | EPA 8260B | 11I0469 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Trichlorofluoromethane | EPA 8260B | 11I0469 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,2,3-Trichloropropane | EPA 8260B | 11I0469 | 1.0 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,2,4-Trimethylbenzene | EPA 8260B | 11I0469 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,3,5-Trimethylbenzene | EPA 8260B | 11I0469 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Vinyl Acetate | EPA 8260B | 11I0469 | 1.0 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Vinyl chloride | EPA 8260B | 11I0469 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Xylenes, Total | EPA 8260B | 11I0469 | 1.5 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Freon 113 | EPA 8260B | 11I0469 | 2.0 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Surrogate: Dibromofluoromethane (80-130%) | | | | | | | | 92 % |
| Surrogate: Toluene-d8 (80-120%) | | | | | | | | 102 % |
| Surrogate: 4-Bromofluorobenzene (80-125%) | | | | | | | | 89 % |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030 OU3

Report Number: PUI0468

Sampled: 09/08/11
Received: 09/08/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------------|-------------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0468-03 (OU3-7M2-M-090811 - Water) | | | | Sampled: 09/08/11 | | | | |
| Reporting Units: ug/l | | | | | | | | |
| Acetone | EPA 8260B | 11I0411 | 10 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Benzene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Bromobenzene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Bromochloromethane | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Bromodichloromethane | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Bromoform | EPA 8260B | 11I0411 | 1.0 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Bromomethane | EPA 8260B | 11I0411 | 1.0 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 2-Butanone (MEK) | EPA 8260B | 11I0411 | 2.5 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| n-Butylbenzene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| sec-Butylbenzene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| tert-Butylbenzene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Carbon disulfide | EPA 8260B | 11I0411 | 1.0 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Carbon tetrachloride | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Chlorobenzene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Chloroethane | EPA 8260B | 11I0411 | 1.0 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Chloroform | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Chloromethane | EPA 8260B | 11I0411 | 1.0 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 2-Chlorotoluene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 4-Chlorotoluene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Dibromochloromethane | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,2-Dibromo-3-chloropropane | EPA 8260B | 11I0411 | 2.5 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,2-Dibromoethane (EDB) | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Dibromomethane | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,2-Dichlorobenzene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,3-Dichlorobenzene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,4-Dichlorobenzene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Dichlorodifluoromethane | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,1-Dichloroethane | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,2-Dichloroethane | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,1-Dichloroethene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| cis-1,2-Dichloroethene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| trans-1,2-Dichloroethene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,2-Dichloropropane | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,3-Dichloropropane | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 2,2-Dichloropropane | EPA 8260B | 11I0411 | 1.0 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,1-Dichloropropene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| cis-1,3-Dichloropropene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| trans-1,3-Dichloropropene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Ethylbenzene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Hexachlorobutadiene | EPA 8260B | 11I0411 | 1.0 | ND | 1 | 9/13/2011 | 9/13/2011 | |

TestAmerica Phoenix

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030 OU3

Report Number: PUI0468

Sampled: 09/08/11
Received: 09/08/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-------------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0468-03 (OU3-7M2-M-090811 - Water) - cont. | | | Sampled: 09/08/11 | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| 2-Hexanone | EPA 8260B | 11I0411 | 2.5 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Iodomethane | EPA 8260B | 11I0411 | 2.5 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Isopropylbenzene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| p-Isopropyltoluene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Methylene Chloride | EPA 8260B | 11I0411 | 1.0 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 4-Methyl-2-pentanone (MIBK) | EPA 8260B | 11I0411 | 2.5 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Methyl-tert-butyl Ether (MTBE) | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Naphthalene | EPA 8260B | 11I0411 | 2.5 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| n-Propylbenzene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Styrene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | M2 |
| 1,1,1,2-Tetrachloroethane | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,1,2,2-Tetrachloroethane | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Tetrachloroethene | EPA 8260B | 11I0411 | 0.50 | 1.5 | 1 | 9/13/2011 | 9/13/2011 | |
| Toluene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,2,3-Trichlorobenzene | EPA 8260B | 11I0411 | 1.0 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,2,4-Trichlorobenzene | EPA 8260B | 11I0411 | 1.0 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,1,1-Trichloroethane | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,1,2-Trichloroethane | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Trichloroethene | EPA 8260B | 11I0411 | 0.50 | 1.1 | 1 | 9/13/2011 | 9/13/2011 | |
| Trichlorofluoromethane | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,2,3-Trichloropropane | EPA 8260B | 11I0411 | 1.0 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,2,4-Trimethylbenzene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,3,5-Trimethylbenzene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Vinyl Acetate | EPA 8260B | 11I0411 | 1.0 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Vinyl chloride | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Xylenes, Total | EPA 8260B | 11I0411 | 1.5 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Freon 113 | EPA 8260B | 11I0411 | 2.0 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Surrogate: Dibromofluoromethane (80-130%) | | | | 91 % | | | | |
| Surrogate: Toluene-d8 (80-120%) | | | | 103 % | | | | |
| Surrogate: 4-Bromofluorobenzene (80-125%) | | | | 90 % | | | | |

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Project Manager

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PUI0468 <Page 7 of 39>

Environmental Resources Management Inc.-West
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Attention: Jason Hilker

Project ID: 0096498.030 OU3

Report Number: PUI0468

Sampled: 09/08/11
Received: 09/08/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------------|-------------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0468-04 (OU3-14M-M-090811 - Water) | | | | Sampled: 09/08/11 | | | | |
| Reporting Units: ug/l | | | | | | | | |
| Acetone | EPA 8260B | 11I0411 | 10 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Benzene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Bromobenzene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Bromochloromethane | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Bromodichloromethane | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Bromoform | EPA 8260B | 11I0411 | 1.0 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Bromomethane | EPA 8260B | 11I0411 | 1.0 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 2-Butanone (MEK) | EPA 8260B | 11I0411 | 2.5 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| n-Butylbenzene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| sec-Butylbenzene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| tert-Butylbenzene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Carbon disulfide | EPA 8260B | 11I0411 | 1.0 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Carbon tetrachloride | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Chlorobenzene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Chloroethane | EPA 8260B | 11I0411 | 1.0 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Chloroform | EPA 8260B | 11I0411 | 0.50 | 0.58 | 1 | 9/13/2011 | 9/13/2011 | |
| Chloromethane | EPA 8260B | 11I0411 | 1.0 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 2-Chlorotoluene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 4-Chlorotoluene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Dibromochloromethane | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,2-Dibromo-3-chloropropane | EPA 8260B | 11I0411 | 2.5 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,2-Dibromoethane (EDB) | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Dibromomethane | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,2-Dichlorobenzene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,3-Dichlorobenzene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,4-Dichlorobenzene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Dichlorodifluoromethane | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,1-Dichloroethane | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,2-Dichloroethane | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,1-Dichloroethene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| cis-1,2-Dichloroethene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| trans-1,2-Dichloroethene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,2-Dichloropropane | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,3-Dichloropropane | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 2,2-Dichloropropane | EPA 8260B | 11I0411 | 1.0 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,1-Dichloropropene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| cis-1,3-Dichloropropene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| trans-1,3-Dichloropropene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Ethylbenzene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Hexachlorobutadiene | EPA 8260B | 11I0411 | 1.0 | ND | 1 | 9/13/2011 | 9/13/2011 | |

TestAmerica Phoenix

Kylie Emily
Project Manager

| | | |
|--|---|---|
| Environmental Resources Management Inc.-West 7272 E. Indian School Rd., Ste. 100 Scottsdale, AZ 85251 Attention: Jason Hilker | Project ID: 0096498.030 OU3 Report Number: PUI0468 | Sampled: 09/08/11 Received: 09/08/11 |
|--|---|---|

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------------|-------------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0468-04 (OU3-14M-M-090811 - Water) - cont. | | | | Sampled: 09/08/11 | | | | |
| Reporting Units: ug/l | | | | | | | | |
| 2-Hexanone | EPA 8260B | 11I0411 | 2.5 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Iodomethane | EPA 8260B | 11I0411 | 2.5 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Isopropylbenzene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| p-Isopropyltoluene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Methylene Chloride | EPA 8260B | 11I0411 | 1.0 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 4-Methyl-2-pentanone (MIBK) | EPA 8260B | 11I0411 | 2.5 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Methyl-tert-butyl Ether (MTBE) | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Naphthalene | EPA 8260B | 11I0411 | 2.5 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| n-Propylbenzene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Styrene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,1,1,2-Tetrachloroethane | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,1,2,2-Tetrachloroethane | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Tetrachloroethene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Toluene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,2,3-Trichlorobenzene | EPA 8260B | 11I0411 | 1.0 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,2,4-Trichlorobenzene | EPA 8260B | 11I0411 | 1.0 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,1,1-Trichloroethane | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,1,2-Trichloroethane | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Trichloroethene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Trichlorofluoromethane | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,2,3-Trichloropropane | EPA 8260B | 11I0411 | 1.0 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,2,4-Trimethylbenzene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,3,5-Trimethylbenzene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Vinyl Acetate | EPA 8260B | 11I0411 | 1.0 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Vinyl chloride | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Xylenes, Total | EPA 8260B | 11I0411 | 1.5 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Freon 113 | EPA 8260B | 11I0411 | 2.0 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Surrogate: Dibromofluoromethane (80-130%) | | | | | | | | 91 % |
| Surrogate: Toluene-d8 (80-120%) | | | | | | | | 102 % |
| Surrogate: 4-Bromofluorobenzene (80-125%) | | | | | | | | 95 % |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030 OU3

Report Number: PUI0468

Sampled: 09/08/11
Received: 09/08/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------------|-------------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0468-05 (OU3-14D-D-090811 - Water) | | | | Sampled: 09/08/11 | | | | |
| Reporting Units: ug/l | | | | | | | | |
| Acetone | EPA 8260B | 11I0411 | 10 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Benzene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Bromobenzene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Bromochloromethane | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Bromodichloromethane | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Bromoform | EPA 8260B | 11I0411 | 1.0 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Bromomethane | EPA 8260B | 11I0411 | 1.0 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 2-Butanone (MEK) | EPA 8260B | 11I0411 | 2.5 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| n-Butylbenzene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| sec-Butylbenzene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| tert-Butylbenzene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Carbon disulfide | EPA 8260B | 11I0411 | 1.0 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Carbon tetrachloride | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Chlorobenzene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Chloroethane | EPA 8260B | 11I0411 | 1.0 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Chloroform | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Chloromethane | EPA 8260B | 11I0411 | 1.0 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 2-Chlorotoluene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 4-Chlorotoluene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Dibromochloromethane | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,2-Dibromo-3-chloropropane | EPA 8260B | 11I0411 | 2.5 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,2-Dibromoethane (EDB) | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Dibromomethane | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,2-Dichlorobenzene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,3-Dichlorobenzene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,4-Dichlorobenzene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Dichlorodifluoromethane | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,1-Dichloroethane | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,2-Dichloroethane | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,1-Dichloroethene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| cis-1,2-Dichloroethene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| trans-1,2-Dichloroethene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,2-Dichloropropane | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,3-Dichloropropane | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 2,2-Dichloropropane | EPA 8260B | 11I0411 | 1.0 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,1-Dichloropropene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| cis-1,3-Dichloropropene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| trans-1,3-Dichloropropene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Ethylbenzene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Hexachlorobutadiene | EPA 8260B | 11I0411 | 1.0 | ND | 1 | 9/13/2011 | 9/13/2011 | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
 7272 E. Indian School Rd., Ste. 100
 Scottsdale, AZ 85251
 Attention: Jason Hilker

Project ID: 0096498.030 OU3

Report Number: PUI0468

Sampled: 09/08/11
 Received: 09/08/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------------|-------------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0468-05 (OU3-14D-D-090811 - Water) - cont. | | | | Sampled: 09/08/11 | | | | |
| Reporting Units: ug/l | | | | | | | | |
| 2-Hexanone | EPA 8260B | 1110411 | 2.5 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Iodomethane | EPA 8260B | 1110411 | 2.5 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Isopropylbenzene | EPA 8260B | 1110411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| p-Isopropyltoluene | EPA 8260B | 1110411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Methylene Chloride | EPA 8260B | 1110411 | 1.0 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 4-Methyl-2-pentanone (MIBK) | EPA 8260B | 1110411 | 2.5 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Methyl-tert-butyl Ether (MTBE) | EPA 8260B | 1110411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Naphthalene | EPA 8260B | 1110411 | 2.5 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| n-Propylbenzene | EPA 8260B | 1110411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Styrene | EPA 8260B | 1110411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,1,1,2-Tetrachloroethane | EPA 8260B | 1110411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,1,2,2-Tetrachloroethane | EPA 8260B | 1110411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Tetrachloroethene | EPA 8260B | 1110411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Toluene | EPA 8260B | 1110411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,2,3-Trichlorobenzene | EPA 8260B | 1110411 | 1.0 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,2,4-Trichlorobenzene | EPA 8260B | 1110411 | 1.0 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,1,1-Trichloroethane | EPA 8260B | 1110411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,1,2-Trichloroethane | EPA 8260B | 1110411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Trichloroethene | EPA 8260B | 1110411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Trichlorofluoromethane | EPA 8260B | 1110411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,2,3-Trichloropropane | EPA 8260B | 1110411 | 1.0 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,2,4-Trimethylbenzene | EPA 8260B | 1110411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,3,5-Trimethylbenzene | EPA 8260B | 1110411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Vinyl Acetate | EPA 8260B | 1110411 | 1.0 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Vinyl chloride | EPA 8260B | 1110411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Xylenes, Total | EPA 8260B | 1110411 | 1.5 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Freon 113 | EPA 8260B | 1110411 | 2.0 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Surrogate: Dibromofluoromethane (80-130%) | | | | | | | | 90 % |
| Surrogate: Toluene-d8 (80-120%) | | | | | | | | 102 % |
| Surrogate: 4-Bromofluorobenzene (80-125%) | | | | | | | | 93 % |

TestAmerica Phoenix

Kylie Emily
 Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030 OU3

Report Number: PUI0468

Sampled: 09/08/11
Received: 09/08/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------------|-------------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0468-06 (GW-EB1-090811 - Water) | | | | Sampled: 09/08/11 | | | | |
| Reporting Units: ug/l | | | | | | | | |
| Acetone | EPA 8260B | 11I0411 | 10 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Benzene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Bromobenzene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Bromochloromethane | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Bromodichloromethane | EPA 8260B | 11I0411 | 0.50 | 3.1 | 1 | 9/13/2011 | 9/13/2011 | |
| Bromoform | EPA 8260B | 11I0411 | 1.0 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Bromomethane | EPA 8260B | 11I0411 | 1.0 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 2-Butanone (MEK) | EPA 8260B | 11I0411 | 2.5 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| n-Butylbenzene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| sec-Butylbenzene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| tert-Butylbenzene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Carbon disulfide | EPA 8260B | 11I0411 | 1.0 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Carbon tetrachloride | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Chlorobenzene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Chloroethane | EPA 8260B | 11I0411 | 1.0 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Chloroform | EPA 8260B | 11I0411 | 0.50 | 6.4 | 1 | 9/13/2011 | 9/13/2011 | |
| Chloromethane | EPA 8260B | 11I0411 | 1.0 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 2-Chlorotoluene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 4-Chlorotoluene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Dibromochloromethane | EPA 8260B | 11I0411 | 0.50 | 1.8 | 1 | 9/13/2011 | 9/13/2011 | |
| 1,2-Dibromo-3-chloropropane | EPA 8260B | 11I0411 | 2.5 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,2-Dibromoethane (EDB) | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Dibromomethane | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,2-Dichlorobenzene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,3-Dichlorobenzene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,4-Dichlorobenzene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Dichlorodifluoromethane | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,1-Dichloroethane | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,2-Dichloroethane | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,1-Dichloroethene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| cis-1,2-Dichloroethene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| trans-1,2-Dichloroethene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,2-Dichloropropane | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,3-Dichloropropane | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 2,2-Dichloropropane | EPA 8260B | 11I0411 | 1.0 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,1-Dichloropropene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| cis-1,3-Dichloropropene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| trans-1,3-Dichloropropene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Ethylbenzene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Hexachlorobutadiene | EPA 8260B | 11I0411 | 1.0 | ND | 1 | 9/13/2011 | 9/13/2011 | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030 OU3

Report Number: PUI0468

Sampled: 09/08/11
Received: 09/08/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------------|-------------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0468-06 (GW-EB1-090811 - Water) - cont. | | | | Sampled: 09/08/11 | | | | |
| Reporting Units: ug/l | | | | | | | | |
| 2-Hexanone | EPA 8260B | 11I0411 | 2.5 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Iodomethane | EPA 8260B | 11I0411 | 2.5 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Isopropylbenzene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| p-Isopropyltoluene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Methylene Chloride | EPA 8260B | 11I0411 | 1.0 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 4-Methyl-2-pentanone (MIBK) | EPA 8260B | 11I0411 | 2.5 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Methyl-tert-butyl Ether (MTBE) | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Naphthalene | EPA 8260B | 11I0411 | 2.5 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| n-Propylbenzene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Styrene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,1,1,2-Tetrachloroethane | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,1,2,2-Tetrachloroethane | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Tetrachloroethene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Toluene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,2,3-Trichlorobenzene | EPA 8260B | 11I0411 | 1.0 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,2,4-Trichlorobenzene | EPA 8260B | 11I0411 | 1.0 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,1,1-Trichloroethane | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,1,2-Trichloroethane | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Trichloroethene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Trichlorofluoromethane | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,2,3-Trichloropropane | EPA 8260B | 11I0411 | 1.0 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,2,4-Trimethylbenzene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,3,5-Trimethylbenzene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Vinyl Acetate | EPA 8260B | 11I0411 | 1.0 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Vinyl chloride | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Xylenes, Total | EPA 8260B | 11I0411 | 1.5 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Freon 113 | EPA 8260B | 11I0411 | 2.0 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Surrogate: Dibromofluoromethane (80-130%) | | | | | | | | 92 % |
| Surrogate: Toluene-d8 (80-120%) | | | | | | | | 100 % |
| Surrogate: 4-Bromofluorobenzene (80-125%) | | | | | | | | 90 % |

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030 OU3

Report Number: PUI0468

Sampled: 09/08/11
Received: 09/08/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------------|-------------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0468-07 (GW-L1-1-090811 - Water) | | | | Sampled: 09/08/11 | | | | |
| Reporting Units: ug/l | | | | | | | | |
| Acetone | EPA 8260B | 11I0411 | 10 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Benzene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Bromobenzene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Bromochloromethane | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Bromodichloromethane | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Bromoform | EPA 8260B | 11I0411 | 1.0 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Bromomethane | EPA 8260B | 11I0411 | 1.0 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 2-Butanone (MEK) | EPA 8260B | 11I0411 | 2.5 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| n-Butylbenzene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| sec-Butylbenzene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| tert-Butylbenzene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Carbon disulfide | EPA 8260B | 11I0411 | 1.0 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Carbon tetrachloride | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Chlorobenzene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Chloroethane | EPA 8260B | 11I0411 | 1.0 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Chloroform | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Chloromethane | EPA 8260B | 11I0411 | 1.0 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 2-Chlorotoluene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 4-Chlorotoluene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Dibromochloromethane | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,2-Dibromo-3-chloropropane | EPA 8260B | 11I0411 | 2.5 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,2-Dibromoethane (EDB) | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Dibromomethane | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,2-Dichlorobenzene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,3-Dichlorobenzene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,4-Dichlorobenzene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Dichlorodifluoromethane | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,1-Dichloroethane | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,2-Dichloroethane | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,1-Dichloroethene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| cis-1,2-Dichloroethene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| trans-1,2-Dichloroethene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,2-Dichloropropane | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,3-Dichloropropane | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 2,2-Dichloropropane | EPA 8260B | 11I0411 | 1.0 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,1-Dichloropropene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| cis-1,3-Dichloropropene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| trans-1,3-Dichloropropene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Ethylbenzene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Hexachlorobutadiene | EPA 8260B | 11I0411 | 1.0 | ND | 1 | 9/13/2011 | 9/13/2011 | |

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030 OU3

Report Number: PUI0468

Sampled: 09/08/11
Received: 09/08/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------------|-------------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0468-07 (GW-L1-1-090811 - Water) - cont. | | | | Sampled: 09/08/11 | | | | |
| Reporting Units: ug/l | | | | | | | | |
| 2-Hexanone | EPA 8260B | 11I0411 | 2.5 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Iodomethane | EPA 8260B | 11I0411 | 2.5 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Isopropylbenzene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| p-Isopropyltoluene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Methylene Chloride | EPA 8260B | 11I0411 | 1.0 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 4-Methyl-2-pentanone (MIBK) | EPA 8260B | 11I0411 | 2.5 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Methyl-tert-butyl Ether (MTBE) | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Naphthalene | EPA 8260B | 11I0411 | 2.5 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| n-Propylbenzene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Styrene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,1,1,2-Tetrachloroethane | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,1,2,2-Tetrachloroethane | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Tetrachloroethene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Toluene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,2,3-Trichlorobenzene | EPA 8260B | 11I0411 | 1.0 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,2,4-Trichlorobenzene | EPA 8260B | 11I0411 | 1.0 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,1,1-Trichloroethane | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,1,2-Trichloroethane | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Trichloroethene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Trichlorofluoromethane | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,2,3-Trichloropropane | EPA 8260B | 11I0411 | 1.0 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,2,4-Trimethylbenzene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| 1,3,5-Trimethylbenzene | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Vinyl Acetate | EPA 8260B | 11I0411 | 1.0 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Vinyl chloride | EPA 8260B | 11I0411 | 0.50 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Xylenes, Total | EPA 8260B | 11I0411 | 1.5 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Freon 113 | EPA 8260B | 11I0411 | 2.0 | ND | 1 | 9/13/2011 | 9/13/2011 | |
| Surrogate: Dibromofluoromethane (80-130%) | | | | | | | | 87 % |
| Surrogate: Toluene-d8 (80-120%) | | | | | | | | 101 % |
| Surrogate: 4-Bromofluorobenzene (80-125%) | | | | | | | | 88 % |

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Project Manager

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| | | |
|--|---|---|
| Environmental Resources Management Inc.-West 7272 E. Indian School Rd., Ste. 100 Scottsdale, AZ 85251 Attention: Jason Hilker | Project ID: 0096498.030 OU3 Report Number: PUI0468 | Sampled: 09/08/11 Received: 09/08/11 |
|--|---|---|

1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------------|--------------------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0468-01 (OU3-4S-S-090811 - Water) | | | | Sampled: 09/08/11 | | | | |
| Reporting Units: ug/l | | | | | | | | |
| 1,4-Dioxane | EPA 8270C | 11I0331 | 1.0 | ND | 1 | 9/11/2011 | 9/12/2011 | |
| Surrogate: 1,4-Dioxane-d8 (38.6-88.3%) | | | | 62 % | | | | |
| Surrogate: Nitrobenzene-d5 (59.9-120%) | | | | 86 % | | | | |
| Sample ID: PUI0468-02 (OU3-7S-S-090811 - Water) | | | | Sampled: 09/08/11 | | | | |
| Reporting Units: ug/l | | | | | | | | |
| 1,4-Dioxane | EPA 8270C | 11I0331 | 1.0 | ND | 1 | 9/11/2011 | 9/12/2011 | |
| Surrogate: 1,4-Dioxane-d8 (38.6-88.3%) | | | | 55 % | | | | |
| Surrogate: Nitrobenzene-d5 (59.9-120%) | | | | 75 % | | | | |
| Sample ID: PUI0468-03 (OU3-7M2-M-090811 - Water) | | | | Sampled: 09/08/11 | | | | |
| Reporting Units: ug/l | | | | | | | | |
| 1,4-Dioxane | EPA 8270C | 11I0331 | 1.0 | ND | 1 | 9/11/2011 | 9/12/2011 | |
| Surrogate: 1,4-Dioxane-d8 (38.6-88.3%) | | | | 54 % | | | | |
| Surrogate: Nitrobenzene-d5 (59.9-120%) | | | | 76 % | | | | |
| Sample ID: PUI0468-04 (OU3-14M-M-090811 - Water) | | | | Sampled: 09/08/11 | | | | |
| Reporting Units: ug/l | | | | | | | | |
| 1,4-Dioxane | EPA 8270C | 11I0331 | 1.0 | ND | 1 | 9/11/2011 | 9/12/2011 | |
| Surrogate: 1,4-Dioxane-d8 (38.6-88.3%) | | | | 64 % | | | | |
| Surrogate: Nitrobenzene-d5 (59.9-120%) | | | | 84 % | | | | |
| Sample ID: PUI0468-05 (OU3-14D-D-090811 - Water) | | | | Sampled: 09/08/11 | | | | |
| Reporting Units: ug/l | | | | | | | | |
| 1,4-Dioxane | EPA 8270C | 11I0331 | 1.0 | ND | 1 | 9/11/2011 | 9/12/2011 | |
| Surrogate: 1,4-Dioxane-d8 (38.6-88.3%) | | | | 69 % | | | | |
| Surrogate: Nitrobenzene-d5 (59.9-120%) | | | | 89 % | | | | |
| Sample ID: PUI0468-06 (GW-EB1-090811 - Water) | | | | Sampled: 09/08/11 | | | | |
| Reporting Units: ug/l | | | | | | | | |
| 1,4-Dioxane | EPA 8270C | 11I0331 | 1.0 | ND | 1 | 9/11/2011 | 9/12/2011 | |
| Surrogate: 1,4-Dioxane-d8 (38.6-88.3%) | | | | 66 % | | | | |
| Surrogate: Nitrobenzene-d5 (59.9-120%) | | | | 86 % | | | | |

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030 OU3

Report Number: PUI0468

Sampled: 09/08/11
Received: 09/08/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------|-----------|-------------|---------|-----------|-----------------|
| Batch: 1110411 Extracted: 09/13/11 | | | | | | | | | | |
| Blank Analyzed: 09/13/2011 (1110411-BLK1) | | | | | | | | | | |
| Acetone | ND | 10 | ug/l | | | | | | | |
| Benzene | ND | 0.50 | ug/l | | | | | | | |
| Bromobenzene | ND | 0.50 | ug/l | | | | | | | |
| Bromochloromethane | ND | 0.50 | ug/l | | | | | | | |
| Bromodichloromethane | ND | 0.50 | ug/l | | | | | | | |
| Bromoform | ND | 1.0 | ug/l | | | | | | | |
| Bromomethane | ND | 1.0 | ug/l | | | | | | | |
| 2-Butanone (MEK) | ND | 2.5 | ug/l | | | | | | | |
| n-Butylbenzene | ND | 0.50 | ug/l | | | | | | | |
| sec-Butylbenzene | ND | 0.50 | ug/l | | | | | | | |
| tert-Butylbenzene | ND | 0.50 | ug/l | | | | | | | |
| Carbon disulfide | ND | 1.0 | ug/l | | | | | | | |
| Carbon tetrachloride | ND | 0.50 | ug/l | | | | | | | |
| Chlorobenzene | ND | 0.50 | ug/l | | | | | | | |
| Chloroethane | ND | 1.0 | ug/l | | | | | | | |
| Chloroform | ND | 0.50 | ug/l | | | | | | | |
| Chloromethane | ND | 1.0 | ug/l | | | | | | | |
| 2-Chlorotoluene | ND | 0.50 | ug/l | | | | | | | |
| 4-Chlorotoluene | ND | 0.50 | ug/l | | | | | | | |
| Dibromochloromethane | ND | 0.50 | ug/l | | | | | | | |
| 1,2-Dibromo-3-chloropropane | ND | 2.5 | ug/l | | | | | | | |
| 1,2-Dibromoethane (EDB) | ND | 0.50 | ug/l | | | | | | | |
| Dibromomethane | ND | 0.50 | ug/l | | | | | | | |
| 1,2-Dichlorobenzene | ND | 0.50 | ug/l | | | | | | | |
| 1,3-Dichlorobenzene | ND | 0.50 | ug/l | | | | | | | |
| 1,4-Dichlorobenzene | ND | 0.50 | ug/l | | | | | | | |
| Dichlorodifluoromethane | ND | 0.50 | ug/l | | | | | | | |
| 1,1-Dichloroethane | ND | 0.50 | ug/l | | | | | | | |
| 1,2-Dichloroethane | ND | 0.50 | ug/l | | | | | | | |
| 1,1-Dichloroethene | ND | 0.50 | ug/l | | | | | | | |
| cis-1,2-Dichloroethene | ND | 0.50 | ug/l | | | | | | | |
| trans-1,2-Dichloroethene | ND | 0.50 | ug/l | | | | | | | |
| 1,2-Dichloropropane | ND | 0.50 | ug/l | | | | | | | |
| 1,3-Dichloropropane | ND | 0.50 | ug/l | | | | | | | |
| 2,2-Dichloropropane | ND | 1.0 | ug/l | | | | | | | |

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030 OU3

Report Number: PUI0468

Sampled: 09/08/11
Received: 09/08/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------|-----------|-------------|---------|-----------|-----------------|
| Batch: 1110411 Extracted: 09/13/11 | | | | | | | | | | |
| Blank Analyzed: 09/13/2011 (1110411-BLK1) | | | | | | | | | | |
| 1,1-Dichloropropene | ND | 0.50 | ug/l | | | | | | | |
| cis-1,3-Dichloropropene | ND | 0.50 | ug/l | | | | | | | |
| trans-1,3-Dichloropropene | ND | 0.50 | ug/l | | | | | | | |
| Ethylbenzene | ND | 0.50 | ug/l | | | | | | | |
| Hexachlorobutadiene | ND | 1.0 | ug/l | | | | | | | |
| 2-Hexanone | ND | 2.5 | ug/l | | | | | | | |
| Iodomethane | ND | 2.5 | ug/l | | | | | | | |
| Isopropylbenzene | ND | 0.50 | ug/l | | | | | | | |
| p-Isopropyltoluene | ND | 0.50 | ug/l | | | | | | | |
| Methylene Chloride | ND | 1.0 | ug/l | | | | | | | |
| 4-Methyl-2-pentanone (MIBK) | ND | 2.5 | ug/l | | | | | | | |
| Methyl-tert-butyl Ether (MTBE) | ND | 0.50 | ug/l | | | | | | | |
| Naphthalene | ND | 2.5 | ug/l | | | | | | | |
| n-Propylbenzene | ND | 0.50 | ug/l | | | | | | | |
| Styrene | ND | 0.50 | ug/l | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 0.50 | ug/l | | | | | | | |
| 1,1,2,2-Tetrachloroethane | ND | 0.50 | ug/l | | | | | | | |
| Tetrachloroethene | ND | 0.50 | ug/l | | | | | | | |
| Toluene | ND | 0.50 | ug/l | | | | | | | |
| 1,2,3-Trichlorobenzene | ND | 1.0 | ug/l | | | | | | | |
| 1,2,4-Trichlorobenzene | ND | 1.0 | ug/l | | | | | | | |
| 1,1,1-Trichloroethane | ND | 0.50 | ug/l | | | | | | | |
| 1,1,2-Trichloroethane | ND | 0.50 | ug/l | | | | | | | |
| Trichloroethene | ND | 0.50 | ug/l | | | | | | | |
| Trichlorofluoromethane | ND | 0.50 | ug/l | | | | | | | |
| 1,2,3-Trichloropropane | ND | 1.0 | ug/l | | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 0.50 | ug/l | | | | | | | |
| 1,3,5-Trimethylbenzene | ND | 0.50 | ug/l | | | | | | | |
| Vinyl Acetate | ND | 1.0 | ug/l | | | | | | | |
| Vinyl chloride | ND | 0.50 | ug/l | | | | | | | |
| Xylenes, Total | ND | 1.5 | ug/l | | | | | | | |
| Freon 113 | ND | 2.0 | ug/l | | | | | | | |
| Surrogate: Dibromofluoromethane | 23.6 | | ug/l | 25.0 | | 94 | 80-130 | | | |
| Surrogate: Toluene-d8 | 25.6 | | ug/l | 25.0 | | 102 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 22.9 | | ug/l | 25.0 | | 92 | 80-125 | | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030 OU3
Report Number: PUI0468

Sampled: 09/08/11
Received: 09/08/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-------|-------------|---------------|-----------|-------------|-----|-----------|-----------------|
| Batch: 1110411 Extracted: 09/13/11 | | | | | | | | | | |
| LCS Analyzed: 09/13/2011 (1110411-BS1) | | | | | | | | | | |
| Acetone | 20.2 | 10 | ug/l | 25.0 | | 81 | 10-150 | | | |
| Benzene | 24.8 | 0.50 | ug/l | 25.0 | | 99 | 80-120 | | | |
| Bromobenzene | 28.2 | 0.50 | ug/l | 25.0 | | 113 | 80-120 | | | |
| Bromochloromethane | 22.8 | 0.50 | ug/l | 25.0 | | 91 | 80-125 | | | |
| Bromodichloromethane | 21.7 | 0.50 | ug/l | 25.0 | | 87 | 80-120 | | | |
| Bromoform | 27.2 | 1.0 | ug/l | 25.0 | | 109 | 75-130 | | | |
| Bromomethane | 24.0 | 1.0 | ug/l | 25.0 | | 96 | 55-150 | | | |
| 2-Butanone (MEK) | 23.5 | 2.5 | ug/l | 25.0 | | 94 | 40-150 | | | |
| n-Butylbenzene | 26.8 | 0.50 | ug/l | 25.0 | | 107 | 80-130 | | | |
| sec-Butylbenzene | 27.8 | 0.50 | ug/l | 25.0 | | 111 | 80-125 | | | |
| tert-Butylbenzene | 27.0 | 0.50 | ug/l | 25.0 | | 108 | 80-120 | | | |
| Carbon disulfide | 22.6 | 1.0 | ug/l | 25.0 | | 90 | 70-140 | | | |
| Carbon tetrachloride | 24.7 | 0.50 | ug/l | 25.0 | | 99 | 75-130 | | | |
| Chlorobenzene | 28.9 | 0.50 | ug/l | 25.0 | | 116 | 80-120 | | | |
| Chloroethane | 23.2 | 1.0 | ug/l | 25.0 | | 93 | 70-130 | | | |
| Chloroform | 22.3 | 0.50 | ug/l | 25.0 | | 89 | 75-120 | | | |
| Chloromethane | 19.5 | 1.0 | ug/l | 25.0 | | 78 | 60-140 | | | |
| 2-Chlorotoluene | 25.3 | 0.50 | ug/l | 25.0 | | 101 | 80-120 | | | |
| 4-Chlorotoluene | 25.5 | 0.50 | ug/l | 25.0 | | 102 | 80-120 | | | |
| Dibromochloromethane | 25.6 | 0.50 | ug/l | 25.0 | | 102 | 80-120 | | | |
| 1,2-Dibromo-3-chloropropane | 28.5 | 2.5 | ug/l | 25.0 | | 114 | 50-150 | | | |
| 1,2-Dibromoethane (EDB) | 25.9 | 0.50 | ug/l | 25.0 | | 104 | 80-120 | | | |
| Dibromomethane | 22.8 | 0.50 | ug/l | 25.0 | | 91 | 75-120 | | | |
| 1,2-Dichlorobenzene | 28.8 | 0.50 | ug/l | 25.0 | | 115 | 80-120 | | | |
| 1,3-Dichlorobenzene | 29.0 | 0.50 | ug/l | 25.0 | | 116 | 80-120 | | | |
| 1,4-Dichlorobenzene | 28.7 | 0.50 | ug/l | 25.0 | | 115 | 80-120 | | | |
| Dichlorodifluoromethane | 18.3 | 0.50 | ug/l | 25.0 | | 73 | 60-150 | | | |
| 1,1-Dichloroethane | 21.8 | 0.50 | ug/l | 25.0 | | 87 | 70-125 | | | |
| 1,2-Dichloroethane | 20.4 | 0.50 | ug/l | 25.0 | | 82 | 75-130 | | | |
| 1,1-Dichloroethene | 23.0 | 0.50 | ug/l | 25.0 | | 92 | 75-125 | | | |
| cis-1,2-Dichloroethene | 21.2 | 0.50 | ug/l | 25.0 | | 85 | 80-120 | | | |
| trans-1,2-Dichloroethene | 22.3 | 0.50 | ug/l | 25.0 | | 89 | 80-120 | | | |
| 1,2-Dichloropropane | 22.9 | 0.50 | ug/l | 25.0 | | 92 | 80-120 | | | |
| 1,3-Dichloropropane | 25.2 | 0.50 | ug/l | 25.0 | | 101 | 80-120 | | | |
| 2,2-Dichloropropane | 21.0 | 1.0 | ug/l | 25.0 | | 84 | 75-130 | | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
 7272 E. Indian School Rd., Ste. 100
 Scottsdale, AZ 85251
 Attention: Jason Hilker

Project ID: 0096498.030 OU3

Report Number: PUI0468

Sampled: 09/08/11
 Received: 09/08/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-------|-------------|---------------|-----------|-------------|-----|-----------|-----------------|
| Batch: 1110411 Extracted: 09/13/11 | | | | | | | | | | |
| LCS Analyzed: 09/13/2011 (1110411-BS1) | | | | | | | | | | |
| 1,1-Dichloropropene | 22.6 | 0.50 | ug/l | 25.0 | | 90 | 75-120 | | | |
| cis-1,3-Dichloropropene | 23.2 | 0.50 | ug/l | 25.0 | | 93 | 80-120 | | | |
| trans-1,3-Dichloropropene | 22.4 | 0.50 | ug/l | 25.0 | | 90 | 80-125 | | | |
| Ethylbenzene | 27.1 | 0.50 | ug/l | 25.0 | | 108 | 80-120 | | | |
| Hexachlorobutadiene | 30.3 | 1.0 | ug/l | 25.0 | | 121 | 40-150 | | | |
| 2-Hexanone | 21.3 | 2.5 | ug/l | 25.0 | | 85 | 20-150 | | | |
| Iodomethane | 31.0 | 2.5 | ug/l | 25.0 | | 124 | 80-130 | | | |
| Isopropylbenzene | 28.1 | 0.50 | ug/l | 25.0 | | 113 | 80-130 | | | |
| p-Isopropyltoluene | 27.4 | 0.50 | ug/l | 25.0 | | 110 | 80-130 | | | |
| Methylene Chloride | 22.8 | 1.0 | ug/l | 25.0 | | 91 | 70-120 | | | |
| 4-Methyl-2-pentanone (MIBK) | 20.7 | 2.5 | ug/l | 25.0 | | 83 | 60-135 | | | |
| Methyl-tert-butyl Ether (MTBE) | 18.8 | 0.50 | ug/l | 25.0 | | 75 | 70-130 | | | |
| Naphthalene | 28.2 | 2.5 | ug/l | 25.0 | | 113 | 40-150 | | | |
| n-Propylbenzene | 26.9 | 0.50 | ug/l | 25.0 | | 107 | 75-130 | | | |
| Styrene | 25.5 | 0.50 | ug/l | 25.0 | | 102 | 80-120 | | | |
| 1,1,1,2-Tetrachloroethane | 28.3 | 0.50 | ug/l | 25.0 | | 113 | 75-125 | | | |
| 1,1,2,2-Tetrachloroethane | 26.7 | 0.50 | ug/l | 25.0 | | 107 | 80-120 | | | |
| Tetrachloroethene | 29.4 | 0.50 | ug/l | 25.0 | | 118 | 70-130 | | | |
| Toluene | 25.6 | 0.50 | ug/l | 25.0 | | 102 | 80-120 | | | |
| 1,2,3-Trichlorobenzene | 31.4 | 1.0 | ug/l | 25.0 | | 126 | 55-150 | | | |
| 1,2,4-Trichlorobenzene | 31.0 | 1.0 | ug/l | 25.0 | | 124 | 50-150 | | | |
| 1,1,1-Trichloroethane | 22.7 | 0.50 | ug/l | 25.0 | | 91 | 75-125 | | | |
| 1,1,2-Trichloroethane | 24.0 | 0.50 | ug/l | 25.0 | | 96 | 80-120 | | | |
| Trichloroethene | 25.2 | 0.50 | ug/l | 25.0 | | 101 | 80-120 | | | |
| Trichlorofluoromethane | 25.1 | 0.50 | ug/l | 25.0 | | 100 | 70-150 | | | |
| 1,2,3-Trichloropropane | 23.9 | 1.0 | ug/l | 25.0 | | 95 | 70-130 | | | |
| 1,2,4-Trimethylbenzene | 27.0 | 0.50 | ug/l | 25.0 | | 108 | 80-120 | | | |
| 1,3,5-Trimethylbenzene | 27.1 | 0.50 | ug/l | 25.0 | | 108 | 80-130 | | | |
| Vinyl Acetate | 19.0 | 1.0 | ug/l | 25.0 | | 76 | 40-150 | | | |
| Vinyl chloride | 24.2 | 0.50 | ug/l | 25.0 | | 97 | 70-130 | | | |
| Xylenes, Total | 55.6 | 1.5 | ug/l | 50.0 | | 111 | 60-140 | | | |
| Freon 113 | 25.1 | 2.0 | ug/l | 25.0 | | 100 | 60-140 | | | |
| Surrogate: Dibromofluoromethane | 23.6 | | ug/l | 25.0 | | 94 | 80-130 | | | |
| Surrogate: Toluene-d8 | 25.9 | | ug/l | 25.0 | | 104 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 24.2 | | ug/l | 25.0 | | 97 | 80-125 | | | |

TestAmerica Phoenix

Kylie Emily
 Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030 OU3

Report Number: PUI0468

Sampled: 09/08/11
Received: 09/08/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------|-----------|-------------|-----|-----------|-----------------|
| Batch: 11I0411 Extracted: 09/13/11 | | | | | | | | | | |
| LCS Dup Analyzed: 09/13/2011 (11I0411-BSD1) | | | | | | | | | | |
| Acetone | 17.6 | 10 | ug/l | 25.0 | | 71 | 10-150 | 14 | 35 | |
| Benzene | 23.9 | 0.50 | ug/l | 25.0 | | 96 | 80-120 | 3 | 15 | |
| Bromobenzene | 26.2 | 0.50 | ug/l | 25.0 | | 105 | 80-120 | 7 | 15 | |
| Bromochloromethane | 21.6 | 0.50 | ug/l | 25.0 | | 86 | 80-125 | 6 | 15 | |
| Bromodichloromethane | 20.9 | 0.50 | ug/l | 25.0 | | 83 | 80-120 | 4 | 15 | |
| Bromoform | 24.7 | 1.0 | ug/l | 25.0 | | 99 | 75-130 | 10 | 20 | |
| Bromomethane | 22.8 | 1.0 | ug/l | 25.0 | | 91 | 55-150 | 5 | 20 | |
| 2-Butanone (MEK) | 18.8 | 2.5 | ug/l | 25.0 | | 75 | 40-150 | 22 | 35 | |
| n-Butylbenzene | 24.5 | 0.50 | ug/l | 25.0 | | 98 | 80-130 | 9 | 15 | |
| sec-Butylbenzene | 25.4 | 0.50 | ug/l | 25.0 | | 102 | 80-125 | 9 | 15 | |
| tert-Butylbenzene | 24.8 | 0.50 | ug/l | 25.0 | | 99 | 80-120 | 9 | 15 | |
| Carbon disulfide | 21.3 | 1.0 | ug/l | 25.0 | | 85 | 70-140 | 6 | 15 | |
| Carbon tetrachloride | 23.8 | 0.50 | ug/l | 25.0 | | 95 | 75-130 | 4 | 20 | |
| Chlorobenzene | 25.6 | 0.50 | ug/l | 25.0 | | 102 | 80-120 | 12 | 15 | |
| Chloroethane | 23.0 | 1.0 | ug/l | 25.0 | | 92 | 70-130 | 1 | 15 | |
| Chloroform | 21.0 | 0.50 | ug/l | 25.0 | | 84 | 75-120 | 6 | 15 | |
| Chloromethane | 18.8 | 1.0 | ug/l | 25.0 | | 75 | 60-140 | 4 | 20 | |
| 2-Chlorotoluene | 23.3 | 0.50 | ug/l | 25.0 | | 93 | 80-120 | 8 | 15 | |
| 4-Chlorotoluene | 23.8 | 0.50 | ug/l | 25.0 | | 95 | 80-120 | 7 | 15 | |
| Dibromochloromethane | 21.8 | 0.50 | ug/l | 25.0 | | 87 | 80-120 | 16 | 15 | R6 |
| 1,2-Dibromo-3-chloropropane | 21.3 | 2.5 | ug/l | 25.0 | | 85 | 50-150 | 29 | 35 | |
| 1,2-Dibromoethane (EDB) | 22.7 | 0.50 | ug/l | 25.0 | | 91 | 80-120 | 13 | 15 | |
| Dibromomethane | 22.2 | 0.50 | ug/l | 25.0 | | 89 | 75-120 | 3 | 15 | |
| 1,2-Dichlorobenzene | 25.4 | 0.50 | ug/l | 25.0 | | 102 | 80-120 | 13 | 15 | |
| 1,3-Dichlorobenzene | 26.3 | 0.50 | ug/l | 25.0 | | 105 | 80-120 | 10 | 15 | |
| 1,4-Dichlorobenzene | 26.2 | 0.50 | ug/l | 25.0 | | 105 | 80-120 | 9 | 15 | |
| Dichlorodifluoromethane | 17.0 | 0.50 | ug/l | 25.0 | | 68 | 60-150 | 7 | 30 | |
| 1,1-Dichloroethane | 20.8 | 0.50 | ug/l | 25.0 | | 83 | 70-125 | 5 | 15 | |
| 1,2-Dichloroethane | 19.0 | 0.50 | ug/l | 25.0 | | 76 | 75-130 | 7 | 15 | |
| 1,1-Dichloroethene | 21.6 | 0.50 | ug/l | 25.0 | | 87 | 75-125 | 6 | 20 | |
| cis-1,2-Dichloroethene | 20.1 | 0.50 | ug/l | 25.0 | | 80 | 80-120 | 6 | 15 | |
| trans-1,2-Dichloroethene | 21.3 | 0.50 | ug/l | 25.0 | | 85 | 80-120 | 4 | 15 | |
| 1,2-Dichloropropane | 22.2 | 0.50 | ug/l | 25.0 | | 89 | 80-120 | 3 | 15 | |
| 1,3-Dichloropropane | 20.7 | 0.50 | ug/l | 25.0 | | 83 | 80-120 | 20 | 15 | R6 |
| 2,2-Dichloropropane | 20.0 | 1.0 | ug/l | 25.0 | | 80 | 75-130 | 5 | 15 | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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PUI0468 <Page 21 of 39>

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030 OU3

Report Number: PUI0468

Sampled: 09/08/11
Received: 09/08/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------|-----------|-------------|-----|-----------|-----------------|
| Batch: 1110411 Extracted: 09/13/11 | | | | | | | | | | |
| LCS Dup Analyzed: 09/13/2011 (1110411-BSD1) | | | | | | | | | | |
| 1,1-Dichloropropene | 22.3 | 0.50 | ug/l | 25.0 | | 89 | 75-120 | 1 | 15 | |
| cis-1,3-Dichloropropene | 20.5 | 0.50 | ug/l | 25.0 | | 82 | 80-120 | 12 | 15 | |
| trans-1,3-Dichloropropene | 20.0 | 0.50 | ug/l | 25.0 | | 80 | 80-125 | 11. | 15 | |
| Ethylbenzene | 24.4 | 0.50 | ug/l | 25.0 | | 98 | 80-120 | 10 | 15 | |
| Hexachlorobutadiene | 27.1 | 1.0 | ug/l | 25.0 | | 108 | 40-150 | 11 | 35 | |
| 2-Hexanone | 17.5 | 2.5 | ug/l | 25.0 | | 70 | 20-150 | 20 | 35 | |
| Iodomethane | 27.8 | 2.5 | ug/l | 25.0 | | 111 | 80-130 | 11 | 10 | R6 |
| Isopropylbenzene | 26.4 | 0.50 | ug/l | 25.0 | | 106 | 80-130 | 6 | 15 | |
| p-Isopropyltoluene | 25.2 | 0.50 | ug/l | 25.0 | | 101 | 80-130 | 8 | 15 | |
| Methylene Chloride | 21.7 | 1.0 | ug/l | 25.0 | | 87 | 70-120 | 5 | 15 | |
| 4-Methyl-2-pentanone (MIBK) | 18.2 | 2.5 | ug/l | 25.0 | | 73 | 60-135 | 13 | 25 | |
| Methyl-tert-butyl Ether (MTBE) | 18.2 | 0.50 | ug/l | 25.0 | | 73 | 70-130 | 3 | 20 | |
| Naphthalene | 25.2 | 2.5 | ug/l | 25.0 | | 101 | 40-150 | 11 | 30 | |
| n-Propylbenzene | 24.9 | 0.50 | ug/l | 25.0 | | 99 | 75-130 | 8 | 15 | |
| Styrene | 22.1 | 0.50 | ug/l | 25.0 | | 89 | 80-120 | 14 | 15 | |
| 1,1,1,2-Tetrachloroethane | 24.1 | 0.50 | ug/l | 25.0 | | 96 | 75-125 | 16 | 15 | R6 |
| 1,1,2,2-Tetrachloroethane | 23.6 | 0.50 | ug/l | 25.0 | | 94 | 80-120 | 12 | 20 | |
| Tetrachloroethene | 25.3 | 0.50 | ug/l | 25.0 | | 101 | 70-130 | 15 | 20 | |
| Toluene | 22.8 | 0.50 | ug/l | 25.0 | | 91 | 80-120 | 12 | 15 | |
| 1,2,3-Trichlorobenzene | 27.3 | 1.0 | ug/l | 25.0 | | 109 | 55-150 | 14 | 35 | |
| 1,2,4-Trichlorobenzene | 27.0 | 1.0 | ug/l | 25.0 | | 108 | 50-150 | 14 | 30 | |
| 1,1,1-Trichloroethane | 21.4 | 0.50 | ug/l | 25.0 | | 86 | 75-125 | 6 | 15 | |
| 1,1,2-Trichloroethane | 21.5 | 0.50 | ug/l | 25.0 | | 86 | 80-120 | 11 | 15 | |
| Trichloroethene | 23.8 | 0.50 | ug/l | 25.0 | | 95 | 80-120 | 6 | 15 | |
| Trichlorofluoromethane | 23.8 | 0.50 | ug/l | 25.0 | | 95 | 70-150 | 5 | 25 | |
| 1,2,3-Trichloropropane | 22.3 | 1.0 | ug/l | 25.0 | | 89 | 70-130 | 7 | 20 | |
| 1,2,4-Trimethylbenzene | 24.2 | 0.50 | ug/l | 25.0 | | 97 | 80-120 | 11 | 15 | |
| 1,3,5-Trimethylbenzene | 25.0 | 0.50 | ug/l | 25.0 | | 100 | 80-130 | 8 | 15 | |
| Vinyl Acetate | 18.7 | 1.0 | ug/l | 25.0 | | 75 | 40-150 | 2 | 25 | |
| Vinyl chloride | 22.8 | 0.50 | ug/l | 25.0 | | 91 | 70-130 | 6 | 20 | |
| Xylenes, Total | 48.9 | 1.5 | ug/l | 50.0 | | 98 | 60-140 | 13 | 15 | |
| Freon 113 | 23.6 | 2.0 | ug/l | 25.0 | | 94 | 60-140 | 6 | 15 | |
| Surrogate: Dibromofluoromethane | 23.4 | | ug/l | 25.0 | | 94 | 80-130 | | | |
| Surrogate: Toluene-d8 | 23.5 | | ug/l | 25.0 | | 94 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 23.6 | | ug/l | 25.0 | | 94 | 80-125 | | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030 OU3
Report Number: PUI0468

Sampled: 09/08/11
Received: 09/08/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------------------|------|-------------|-----|-----------|-----------------|
| Batch: 1110411 Extracted: 09/13/11 | | | | | | | | | | |
| Matrix Spike Analyzed: 09/13/2011 (1110411-MS1) | | | | | Source: PUI0468-03 | | | | | |
| Acetone | 14.0 | 10 | ug/l | 25.0 | ND | 56 | 10-150 | | | |
| Benzene | 24.5 | 0.50 | ug/l | 25.0 | ND | 98 | 70-125 | | | |
| Bromobenzene | 26.7 | 0.50 | ug/l | 25.0 | ND | 107 | 75-120 | | | |
| Bromochloromethane | 22.6 | 0.50 | ug/l | 25.0 | ND | 90 | 75-130 | | | |
| Bromodichloromethane | 21.2 | 0.50 | ug/l | 25.0 | ND | 85 | 75-125 | | | |
| Bromoform | 25.0 | 1.0 | ug/l | 25.0 | ND | 100 | 65-125 | | | |
| Bromomethane | 25.5 | 1.0 | ug/l | 25.0 | ND | 102 | 45-150 | | | |
| 2-Butanone (MEK) | 18.6 | 2.5 | ug/l | 25.0 | ND | 74 | 15-150 | | | |
| n-Butylbenzene | 25.1 | 0.50 | ug/l | 25.0 | ND | 100 | 70-130 | | | |
| sec-Butylbenzene | 26.3 | 0.50 | ug/l | 25.0 | ND | 105 | 70-125 | | | |
| tert-Butylbenzene | 26.1 | 0.50 | ug/l | 25.0 | ND | 104 | 70-125 | | | |
| Carbon disulfide | 22.8 | 1.0 | ug/l | 25.0 | ND | 91 | 65-145 | | | |
| Carbon tetrachloride | 24.1 | 0.50 | ug/l | 25.0 | ND | 96 | 65-135 | | | |
| Chlorobenzene | 27.4 | 0.50 | ug/l | 25.0 | ND | 110 | 75-120 | | | |
| Chloroethane | 23.4 | 1.0 | ug/l | 25.0 | ND | 94 | 65-140 | | | |
| Chloroform | 23.0 | 0.50 | ug/l | 25.0 | 0.480 | 90 | 70-130 | | | |
| Chloromethane | 20.1 | 1.0 | ug/l | 25.0 | 0.240 | 79 | 55-145 | | | |
| 2-Chlorotoluene | 24.9 | 0.50 | ug/l | 25.0 | ND | 100 | 70-125 | | | |
| 4-Chlorotoluene | 24.5 | 0.50 | ug/l | 25.0 | ND | 98 | 70-125 | | | |
| Dibromochloromethane | 23.3 | 0.50 | ug/l | 25.0 | ND | 93 | 70-130 | | | |
| 1,2-Dibromo-3-chloropropane | 22.1 | 2.5 | ug/l | 25.0 | ND | 88 | 50-150 | | | |
| 1,2-Dibromoethane (EDB) | 23.7 | 0.50 | ug/l | 25.0 | ND | 95 | 70-125 | | | |
| Dibromomethane | 22.2 | 0.50 | ug/l | 25.0 | ND | 89 | 70-120 | | | |
| 1,2-Dichlorobenzene | 26.3 | 0.50 | ug/l | 25.0 | ND | 105 | 75-120 | | | |
| 1,3-Dichlorobenzene | 26.9 | 0.50 | ug/l | 25.0 | ND | 108 | 75-120 | | | |
| 1,4-Dichlorobenzene | 26.7 | 0.50 | ug/l | 25.0 | ND | 107 | 70-125 | | | |
| Dichlorodifluoromethane | 17.4 | 0.50 | ug/l | 25.0 | ND | 70 | 60-150 | | | |
| 1,1-Dichloroethane | 22.5 | 0.50 | ug/l | 25.0 | ND | 90 | 70-130 | | | |
| 1,2-Dichloroethane | 20.1 | 0.50 | ug/l | 25.0 | ND | 80 | 65-140 | | | |
| 1,1-Dichloroethene | 22.6 | 0.50 | ug/l | 25.0 | ND | 90 | 70-130 | | | |
| cis-1,2-Dichloroethene | 21.4 | 0.50 | ug/l | 25.0 | ND | 86 | 70-125 | | | |
| trans-1,2-Dichloroethene | 22.8 | 0.50 | ug/l | 25.0 | ND | 91 | 75-125 | | | |
| 1,2-Dichloropropane | 23.2 | 0.50 | ug/l | 25.0 | ND | 93 | 75-125 | | | |
| 1,3-Dichloropropane | 22.8 | 0.50 | ug/l | 25.0 | ND | 91 | 70-120 | | | |
| 2,2-Dichloropropane | 20.8 | 1.0 | ug/l | 25.0 | ND | 83 | 65-140 | | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030 OU3

Report Number: PUI0468

Sampled: 09/08/11
Received: 09/08/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------------------|-----------|-------------|---------|-----------|-----------------|
| Batch: 1110411 Extracted: 09/13/11 | | | | | | | | | | |
| Matrix Spike Analyzed: 09/13/2011 (1110411-MS1) | | | | | Source: PUI0468-03 | | | | | |
| 1,1-Dichloropropene | 22.5 | 0.50 | ug/l | 25.0 | ND | 90 | 65-130 | | | |
| cis-1,3-Dichloropropene | 22.8 | 0.50 | ug/l | 25.0 | ND | 91 | 75-130 | | | |
| trans-1,3-Dichloropropene | 21.2 | 0.50 | ug/l | 25.0 | ND | 85 | 70-130 | | | |
| Ethylbenzene | 26.1 | 0.50 | ug/l | 25.0 | ND | 104 | 70-125 | | | |
| Hexachlorobutadiene | 26.8 | 1.0 | ug/l | 25.0 | ND | 107 | 40-150 | | | |
| 2-Hexanone | 16.7 | 2.5 | ug/l | 25.0 | ND | 67 | 20-150 | | | |
| Iodomethane | 30.2 | 2.5 | ug/l | 25.0 | ND | 121 | 60-150 | | | |
| Isopropylbenzene | 27.4 | 0.50 | ug/l | 25.0 | ND | 109 | 75-130 | | | |
| p-Isopropyltoluene | 25.9 | 0.50 | ug/l | 25.0 | ND | 104 | 70-130 | | | |
| Methylene Chloride | 23.4 | 1.0 | ug/l | 25.0 | ND | 94 | 65-130 | | | |
| 4-Methyl-2-pentanone (MIBK) | 18.0 | 2.5 | ug/l | 25.0 | ND | 72 | 55-135 | | | |
| Methyl-tert-butyl Ether (MTBE) | 18.6 | 0.50 | ug/l | 25.0 | ND | 74 | 65-140 | | | |
| Naphthalene | 22.1 | 2.5 | ug/l | 25.0 | ND | 88 | 40-150 | | | |
| n-Propylbenzene | 25.9 | 0.50 | ug/l | 25.0 | ND | 104 | 70-130 | | | |
| Styrene | 18.4 | 0.50 | ug/l | 25.0 | ND | 74 | 55-135 | | | |
| 1,1,1,2-Tetrachloroethane | 25.8 | 0.50 | ug/l | 25.0 | ND | 103 | 70-125 | | | |
| 1,1,2,2-Tetrachloroethane | 22.9 | 0.50 | ug/l | 25.0 | ND | 92 | 70-125 | | | |
| Tetrachloroethene | 29.2 | 0.50 | ug/l | 25.0 | 1.47 | 111 | 65-130 | | | |
| Toluene | 25.5 | 0.50 | ug/l | 25.0 | ND | 102 | 70-125 | | | |
| 1,2,3-Trichlorobenzene | 25.7 | 1.0 | ug/l | 25.0 | ND | 103 | 50-150 | | | |
| 1,2,4-Trichlorobenzene | 26.3 | 1.0 | ug/l | 25.0 | ND | 105 | 50-150 | | | |
| 1,1,1-Trichloroethane | 22.9 | 0.50 | ug/l | 25.0 | ND | 92 | 70-130 | | | |
| 1,1,2-Trichloroethane | 22.1 | 0.50 | ug/l | 25.0 | ND | 89 | 75-125 | | | |
| Trichloroethene | 26.1 | 0.50 | ug/l | 25.0 | 1.08 | 100 | 70-125 | | | |
| Trichlorofluoromethane | 24.8 | 0.50 | ug/l | 25.0 | ND | 99 | 65-150 | | | |
| 1,2,3-Trichloropropane | 21.8 | 1.0 | ug/l | 25.0 | ND | 87 | 70-130 | | | |
| 1,2,4-Trimethylbenzene | 24.7 | 0.50 | ug/l | 25.0 | ND | 99 | 70-125 | | | |
| 1,3,5-Trimethylbenzene | 25.9 | 0.50 | ug/l | 25.0 | ND | 103 | 75-130 | | | |
| Vinyl Acetate | 16.3 | 1.0 | ug/l | 25.0 | ND | 65 | 40-150 | | | |
| Vinyl chloride | 23.6 | 0.50 | ug/l | 25.0 | ND | 94 | 60-140 | | | |
| Xylenes, Total | 51.7 | 1.5 | ug/l | 50.0 | ND | 103 | 75-120 | | | |
| Freon 113 | 24.5 | 2.0 | ug/l | 25.0 | ND | 98 | 65-140 | | | |
| Surrogate: Dibromofluoromethane | 23.8 | | ug/l | 25.0 | | 95 | 80-130 | | | |
| Surrogate: Toluene-d8 | 25.2 | | ug/l | 25.0 | | 101 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 23.9 | | ug/l | 25.0 | | 96 | 80-125 | | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030 OU3

Report Number: PUI0468

Sampled: 09/08/11
Received: 09/08/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-------|-------------|---------------------------|------|-------------|-----|-----------|-----------------|
| Batch: 1110411 Extracted: 09/13/11 | | | | | | | | | | |
| Matrix Spike Dup Analyzed: 09/13/2011 (1110411-MSD1) | | | | | Source: PUI0468-03 | | | | | |
| Acetone | 15.6 | 10 | ug/l | 25.0 | ND | 62 | 10-150 | 11 | 35 | |
| Benzene | 24.8 | 0.50 | ug/l | 25.0 | ND | 99 | 70-125 | 1 | 25 | |
| Bromobenzene | 25.8 | 0.50 | ug/l | 25.0 | ND | 103 | 75-120 | 4 | 20 | |
| Bromochloromethane | 22.1 | 0.50 | ug/l | 25.0 | ND | 88 | 75-130 | 2 | 20 | |
| Bromodichloromethane | 20.5 | 0.50 | ug/l | 25.0 | ND | 82 | 75-125 | 4 | 20 | |
| Bromofom | 23.1 | 1.0 | ug/l | 25.0 | ND | 92 | 65-125 | 8 | 25 | |
| Bromomethane | 24.8 | 1.0 | ug/l | 25.0 | ND | 99 | 45-150 | 3 | 35 | |
| 2-Butanone (MEK) | 21.1 | 2.5 | ug/l | 25.0 | ND | 84 | 15-150 | 13 | 30 | |
| n-Butylbenzene | 24.3 | 0.50 | ug/l | 25.0 | ND | 97 | 70-130 | 3 | 30 | |
| sec-Butylbenzene | 25.4 | 0.50 | ug/l | 25.0 | ND | 102 | 70-125 | 3 | 30 | |
| tert-Butylbenzene | 24.8 | 0.50 | ug/l | 25.0 | ND | 99 | 70-125 | 5 | 25 | |
| Carbon disulfide | 21.7 | 1.0 | ug/l | 25.0 | ND | 87 | 65-145 | 5 | 25 | |
| Carbon tetrachloride | 23.7 | 0.50 | ug/l | 25.0 | ND | 95 | 65-135 | 2 | 25 | |
| Chlorobenzene | 26.9 | 0.50 | ug/l | 25.0 | ND | 107 | 75-120 | 2 | 20 | |
| Chloroethane | 23.7 | 1.0 | ug/l | 25.0 | ND | 95 | 65-140 | 1 | 25 | |
| Chlorofom | 22.2 | 0.50 | ug/l | 25.0 | 0.480 | 87 | 70-130 | 4 | 20 | |
| Chloromethane | 20.2 | 1.0 | ug/l | 25.0 | 0.240 | 80 | 55-145 | 0.4 | 35 | |
| 2-Chlorotoluene | 23.1 | 0.50 | ug/l | 25.0 | ND | 92 | 70-125 | 7 | 25 | |
| 4-Chlorotoluene | 22.8 | 0.50 | ug/l | 25.0 | ND | 91 | 70-125 | 7 | 25 | |
| Dibromochloromethane | 22.4 | 0.50 | ug/l | 25.0 | ND | 89 | 70-130 | 4 | 20 | |
| 1,2-Dibromo-3-chloropropane | 19.9 | 2.5 | ug/l | 25.0 | ND | 80 | 50-150 | 11 | 30 | |
| 1,2-Dibromoethane (EDB) | 24.2 | 0.50 | ug/l | 25.0 | ND | 97 | 70-125 | 2 | 20 | |
| Dibromomethane | 23.5 | 0.50 | ug/l | 25.0 | ND | 94 | 70-120 | 6 | 20 | |
| 1,2-Dichlorobenzene | 24.8 | 0.50 | ug/l | 25.0 | ND | 99 | 75-120 | 6 | 20 | |
| 1,3-Dichlorobenzene | 25.4 | 0.50 | ug/l | 25.0 | ND | 101 | 75-120 | 6 | 25 | |
| 1,4-Dichlorobenzene | 25.0 | 0.50 | ug/l | 25.0 | ND | 100 | 70-125 | 7 | 20 | |
| Dichlorodifluoromethane | 18.3 | 0.50 | ug/l | 25.0 | ND | 73 | 60-150 | 5 | 30 | |
| 1,1-Dichloroethane | 21.8 | 0.50 | ug/l | 25.0 | ND | 87 | 70-130 | 3 | 20 | |
| 1,2-Dichloroethane | 20.6 | 0.50 | ug/l | 25.0 | ND | 82 | 65-140 | 2 | 20 | |
| 1,1-Dichloroethene | 23.2 | 0.50 | ug/l | 25.0 | ND | 93 | 70-130 | 3 | 25 | |
| cis-1,2-Dichloroethene | 21.2 | 0.50 | ug/l | 25.0 | ND | 85 | 70-125 | 1 | 20 | |
| trans-1,2-Dichloroethene | 21.6 | 0.50 | ug/l | 25.0 | ND | 86 | 75-125 | 5 | 25 | |
| 1,2-Dichloropropane | 22.5 | 0.50 | ug/l | 25.0 | ND | 90 | 75-125 | 3 | 20 | |
| 1,3-Dichloropropane | 23.9 | 0.50 | ug/l | 25.0 | ND | 96 | 70-120 | 5 | 20 | |
| 2,2-Dichloropropane | 19.9 | 1.0 | ug/l | 25.0 | ND | 80 | 65-140 | 4 | 25 | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030 OU3

Report Number: PUI0468

Sampled: 09/08/11
Received: 09/08/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | Limit | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-------|-------------|---------------------------|-----------|--------|-----|-----------|-----------------|
| Batch: 1110411 Extracted: 09/13/11 | | | | | | | | | | |
| Matrix Spike Dup Analyzed: 09/13/2011 (1110411-MSD1) | | | | | Source: PUI0468-03 | | | | | |
| 1,1-Dichloropropene | 22.6 | 0.50 | ug/l | 25.0 | ND | 90 | 65-130 | 0.3 | 25 | |
| cis-1,3-Dichloropropene | 21.2 | 0.50 | ug/l | 25.0 | ND | 85 | 75-130 | 7 | 20 | |
| trans-1,3-Dichloropropene | 20.7 | 0.50 | ug/l | 25.0 | ND | 83 | 70-130 | 3 | 20 | |
| Ethylbenzene | 25.8 | 0.50 | ug/l | 25.0 | ND | 103 | 70-125 | 1 | 25 | |
| Hexachlorobutadiene | 26.8 | 1.0 | ug/l | 25.0 | ND | 107 | 40-150 | 0.2 | 30 | |
| 2-Hexanone | 18.6 | 2.5 | ug/l | 25.0 | ND | 74 | 20-150 | 11 | 30 | |
| Iodomethane | 30.0 | 2.5 | ug/l | 25.0 | ND | 120 | 60-150 | 0.5 | 30 | |
| Isopropylbenzene | 26.2 | 0.50 | ug/l | 25.0 | ND | 105 | 75-130 | 4 | 25 | |
| p-Isopropyltoluene | 24.9 | 0.50 | ug/l | 25.0 | ND | 100 | 70-130 | 4 | 30 | |
| Methylene Chloride | 22.9 | 1.0 | ug/l | 25.0 | ND | 92 | 65-130 | 2 | 20 | |
| 4-Methyl-2-pentanone (MIBK) | 18.9 | 2.5 | ug/l | 25.0 | ND | 76 | 55-135 | 5 | 25 | |
| Methyl-tert-butyl Ether (MTBE) | 19.1 | 0.50 | ug/l | 25.0 | ND | 76 | 65-140 | 3 | 25 | |
| Naphthalene | 23.5 | 2.5 | ug/l | 25.0 | ND | 94 | 40-150 | 6 | 30 | |
| n-Propylbenzene | 24.8 | 0.50 | ug/l | 25.0 | ND | 99 | 70-130 | 5 | 30 | |
| Styrene | 13.6 | 0.50 | ug/l | 25.0 | ND | 54 | 55-135 | 30 | 35 | M2 |
| 1,1,1,2-Tetrachloroethane | 24.6 | 0.50 | ug/l | 25.0 | ND | 99 | 70-125 | 4 | 20 | |
| 1,1,2,2-Tetrachloroethane | 23.2 | 0.50 | ug/l | 25.0 | ND | 93 | 70-125 | 1 | 25 | |
| Tetrachloroethene | 29.2 | 0.50 | ug/l | 25.0 | 1.47 | 111 | 65-130 | 0.3 | 25 | |
| Toluene | 25.8 | 0.50 | ug/l | 25.0 | ND | 103 | 70-125 | 1 | 20 | |
| 1,2,3-Trichlorobenzene | 25.6 | 1.0 | ug/l | 25.0 | ND | 102 | 50-150 | 0.5 | 35 | |
| 1,2,4-Trichlorobenzene | 25.5 | 1.0 | ug/l | 25.0 | ND | 102 | 50-150 | 3 | 25 | |
| 1,1,1-Trichloroethane | 22.3 | 0.50 | ug/l | 25.0 | ND | 89 | 70-130 | 3 | 25 | |
| 1,1,2-Trichloroethane | 23.7 | 0.50 | ug/l | 25.0 | ND | 95 | 75-125 | 7 | 20 | |
| Trichloroethene | 26.2 | 0.50 | ug/l | 25.0 | 1.08 | 100 | 70-125 | 0.3 | 25 | |
| Trichlorofluoromethane | 25.4 | 0.50 | ug/l | 25.0 | ND | 101 | 65-150 | 2 | 25 | |
| 1,2,3-Trichloropropane | 22.1 | 1.0 | ug/l | 25.0 | ND | 89 | 70-130 | 2 | 25 | |
| 1,2,4-Trimethylbenzene | 23.2 | 0.50 | ug/l | 25.0 | ND | 93 | 70-125 | 6 | 30 | |
| 1,3,5-Trimethylbenzene | 24.7 | 0.50 | ug/l | 25.0 | ND | 99 | 75-130 | 5 | 25 | |
| Vinyl Acetate | 14.7 | 1.0 | ug/l | 25.0 | ND | 59 | 40-150 | 10 | 30 | |
| Vinyl chloride | 24.1 | 0.50 | ug/l | 25.0 | ND | 96 | 60-140 | 2 | 25 | |
| Xylenes, Total | 50.7 | 1.5 | ug/l | 50.0 | ND | 101 | 75-120 | 2 | 15 | |
| Freon 113 | 25.3 | 2.0 | ug/l | 25.0 | ND | 101 | 65-140 | 3 | 20 | |
| Surrogate: Dibromofluoromethane | 22.8 | | ug/l | 25.0 | | 91 | 80-130 | | | |
| Surrogate: Toluene-d8 | 25.8 | | ug/l | 25.0 | | 103 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 24.3 | | ug/l | 25.0 | | 97 | 80-125 | | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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PUI0468 <Page 26 of 39>

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030 OU3

Report Number: PUI0468

Sampled: 09/08/11

Received: 09/08/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | Limit | RPD RPD | Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------|-----------|-------|---------|-------|-----------------|
| Batch: 1110469 Extracted: 09/14/11 | | | | | | | | | | |
| Blank Analyzed: 09/14/2011 (1110469-BLK1) | | | | | | | | | | |
| Acetone | ND | 10 | ug/l | | | | | | | |
| Benzene | ND | 0.50 | ug/l | | | | | | | |
| Bromobenzene | ND | 0.50 | ug/l | | | | | | | |
| Bromochloromethane | ND | 0.50 | ug/l | | | | | | | |
| Bromodichloromethane | ND | 0.50 | ug/l | | | | | | | |
| Bromoform | ND | 1.0 | ug/l | | | | | | | |
| Bromomethane | ND | 1.0 | ug/l | | | | | | | |
| 2-Butanone (MEK) | ND | 2.5 | ug/l | | | | | | | |
| n-Butylbenzene | ND | 0.50 | ug/l | | | | | | | |
| sec-Butylbenzene | ND | 0.50 | ug/l | | | | | | | |
| tert-Butylbenzene | ND | 0.50 | ug/l | | | | | | | |
| Carbon disulfide | ND | 1.0 | ug/l | | | | | | | |
| Carbon tetrachloride | ND | 0.50 | ug/l | | | | | | | |
| Chlorobenzene | ND | 0.50 | ug/l | | | | | | | |
| Chloroethane | ND | 1.0 | ug/l | | | | | | | |
| Chloroform | ND | 0.50 | ug/l | | | | | | | |
| Chloromethane | ND | 1.0 | ug/l | | | | | | | |
| 2-Chlorotoluene | ND | 0.50 | ug/l | | | | | | | |
| 4-Chlorotoluene | ND | 0.50 | ug/l | | | | | | | |
| Dibromochloromethane | ND | 0.50 | ug/l | | | | | | | |
| 1,2-Dibromo-3-chloropropane | ND | 2.5 | ug/l | | | | | | | |
| 1,2-Dibromoethane (EDB) | ND | 0.50 | ug/l | | | | | | | |
| Dibromomethane | ND | 0.50 | ug/l | | | | | | | |
| 1,2-Dichlorobenzene | ND | 0.50 | ug/l | | | | | | | |
| 1,3-Dichlorobenzene | ND | 0.50 | ug/l | | | | | | | |
| 1,4-Dichlorobenzene | ND | 0.50 | ug/l | | | | | | | |
| Dichlorodifluoromethane | ND | 0.50 | ug/l | | | | | | | |
| 1,1-Dichloroethane | ND | 0.50 | ug/l | | | | | | | |
| 1,2-Dichloroethane | ND | 0.50 | ug/l | | | | | | | |
| 1,1-Dichloroethene | ND | 0.50 | ug/l | | | | | | | |
| cis-1,2-Dichloroethene | ND | 0.50 | ug/l | | | | | | | |
| trans-1,2-Dichloroethene | ND | 0.50 | ug/l | | | | | | | |
| 1,2-Dichloropropane | ND | 0.50 | ug/l | | | | | | | |
| 1,3-Dichloropropane | ND | 0.50 | ug/l | | | | | | | |
| 2,2-Dichloropropane | ND | 1.0 | ug/l | | | | | | | |

TestAmerica Phoenix

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030 OU3

Report Number: PUI0468

Sampled: 09/08/11
Received: 09/08/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | RPD Limits | RPD RPD | Data Limit | Qualifiers |
|--|--------|-----------------|-------|-------------|---------------|-----------|------------|---------|------------|------------|
| Batch: 1110469 Extracted: 09/14/11 | | | | | | | | | | |
| Blank Analyzed: 09/14/2011 (1110469-BLK1) | | | | | | | | | | |
| 1,1-Dichloropropene | ND | 0.50 | ug/l | | | | | | | |
| cis-1,3-Dichloropropene | ND | 0.50 | ug/l | | | | | | | |
| trans-1,3-Dichloropropene | ND | 0.50 | ug/l | | | | | | | |
| Ethylbenzene | ND | 0.50 | ug/l | | | | | | | |
| Hexachlorobutadiene | ND | 1.0 | ug/l | | | | | | | |
| 2-Hexanone | ND | 2.5 | ug/l | | | | | | | |
| Iodomethane | ND | 2.5 | ug/l | | | | | | | |
| Isopropylbenzene | ND | 0.50 | ug/l | | | | | | | |
| p-Isopropyltoluene | ND | 0.50 | ug/l | | | | | | | |
| Methylene Chloride | ND | 1.0 | ug/l | | | | | | | |
| 4-Methyl-2-pentanone (MIBK) | ND | 2.5 | ug/l | | | | | | | |
| Methyl-tert-butyl Ether (MTBE) | ND | 0.50 | ug/l | | | | | | | |
| Naphthalene | ND | 2.5 | ug/l | | | | | | | |
| n-Propylbenzene | ND | 0.50 | ug/l | | | | | | | |
| Styrene | ND | 0.50 | ug/l | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 0.50 | ug/l | | | | | | | |
| 1,1,1,2,2-Tetrachloroethane | ND | 0.50 | ug/l | | | | | | | |
| Tetrachloroethene | ND | 0.50 | ug/l | | | | | | | |
| Toluene | ND | 0.50 | ug/l | | | | | | | |
| 1,2,3-Trichlorobenzene | ND | 1.0 | ug/l | | | | | | | |
| 1,2,4-Trichlorobenzene | ND | 1.0 | ug/l | | | | | | | |
| 1,1,1-Trichloroethane | ND | 0.50 | ug/l | | | | | | | |
| 1,1,2-Trichloroethane | ND | 0.50 | ug/l | | | | | | | |
| Trichloroethene | ND | 0.50 | ug/l | | | | | | | |
| Trichlorofluoromethane | ND | 0.50 | ug/l | | | | | | | |
| 1,2,3-Trichloropropane | ND | 1.0 | ug/l | | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 0.50 | ug/l | | | | | | | |
| 1,3,5-Trimethylbenzene | ND | 0.50 | ug/l | | | | | | | |
| Vinyl Acetate | ND | 1.0 | ug/l | | | | | | | |
| Vinyl chloride | ND | 0.50 | ug/l | | | | | | | |
| Xylenes, Total | ND | 1.5 | ug/l | | | | | | | |
| Freon 113 | ND | 2.0 | ug/l | | | | | | | |
| Surrogate: Dibromofluoromethane | 22.8 | | ug/l | 25.0 | | 91 | 80-130 | | | |
| Surrogate: Toluene-d8 | 23.5 | | ug/l | 25.0 | | 94 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 23.1 | | ug/l | 25.0 | | 92 | 80-125 | | | |

TestAmerica Phoenix

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030 OU3

Report Number: PUI0468

Sampled: 09/08/11
Received: 09/08/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-------|-------------|---------------|-----------|--------|-----|-----------|-----------------|
| Batch: 1110469 Extracted: 09/14/11 | | | | | | | | | | |
| LCS Analyzed: 09/14/2011 (1110469-BS1) | | | | | | | | | | |
| Acetone | 26.7 | 10 | ug/l | 25.0 | | 107 | 10-150 | | | |
| Benzene | 24.6 | 0.50 | ug/l | 25.0 | | 98 | 80-120 | | | |
| Bromobenzene | 26.5 | 0.50 | ug/l | 25.0 | | 106 | 80-120 | | | |
| Bromochloromethane | 21.8 | 0.50 | ug/l | 25.0 | | 87 | 80-125 | | | |
| Bromodichloromethane | 21.7 | 0.50 | ug/l | 25.0 | | 87 | 80-120 | | | |
| Bromoform | 24.6 | 1.0 | ug/l | 25.0 | | 98 | 75-130 | | | |
| Bromomethane | 27.0 | 1.0 | ug/l | 25.0 | | 108 | 55-150 | | | |
| 2-Butanone (MEK) | 22.4 | 2.5 | ug/l | 25.0 | | 90 | 40-150 | | | |
| n-Butylbenzene | 25.1 | 0.50 | ug/l | 25.0 | | 100 | 80-130 | | | |
| sec-Butylbenzene | 26.4 | 0.50 | ug/l | 25.0 | | 106 | 80-125 | | | |
| tert-Butylbenzene | 25.6 | 0.50 | ug/l | 25.0 | | 102 | 80-120 | | | |
| Carbon disulfide | 22.4 | 1.0 | ug/l | 25.0 | | 90 | 70-140 | | | |
| Carbon tetrachloride | 24.9 | 0.50 | ug/l | 25.0 | | 100 | 75-130 | | | |
| Chlorobenzene | 28.2 | 0.50 | ug/l | 25.0 | | 113 | 80-120 | | | |
| Chloroethane | 24.0 | 1.0 | ug/l | 25.0 | | 96 | 70-130 | | | |
| Chloroform | 21.2 | 0.50 | ug/l | 25.0 | | 85 | 75-120 | | | |
| Chloromethane | 20.0 | 1.0 | ug/l | 25.0 | | 80 | 60-140 | | | |
| 2-Chlorotoluene | 24.1 | 0.50 | ug/l | 25.0 | | 96 | 80-120 | | | |
| 4-Chlorotoluene | 24.3 | 0.50 | ug/l | 25.0 | | 97 | 80-120 | | | |
| Dibromochloromethane | 24.0 | 0.50 | ug/l | 25.0 | | 96 | 80-120 | | | |
| 1,2-Dibromo-3-chloropropane | 20.1 | 2.5 | ug/l | 25.0 | | 80 | 50-150 | | | |
| 1,2-Dibromoethane (EDB) | 24.6 | 0.50 | ug/l | 25.0 | | 98 | 80-120 | | | |
| Dibromomethane | 23.1 | 0.50 | ug/l | 25.0 | | 93 | 75-120 | | | |
| 1,2-Dichlorobenzene | 26.0 | 0.50 | ug/l | 25.0 | | 104 | 80-120 | | | |
| 1,3-Dichlorobenzene | 27.2 | 0.50 | ug/l | 25.0 | | 109 | 80-120 | | | |
| 1,4-Dichlorobenzene | 26.3 | 0.50 | ug/l | 25.0 | | 105 | 80-120 | | | |
| Dichlorodifluoromethane | 18.4 | 0.50 | ug/l | 25.0 | | 74 | 60-150 | | | |
| 1,1-Dichloroethane | 21.6 | 0.50 | ug/l | 25.0 | | 87 | 70-125 | | | |
| 1,2-Dichloroethane | 19.9 | 0.50 | ug/l | 25.0 | | 80 | 75-130 | | | |
| 1,1-Dichloroethene | 23.1 | 0.50 | ug/l | 25.0 | | 93 | 75-125 | | | |
| cis-1,2-Dichloroethene | 21.0 | 0.50 | ug/l | 25.0 | | 84 | 80-120 | | | |
| trans-1,2-Dichloroethene | 22.1 | 0.50 | ug/l | 25.0 | | 88 | 80-120 | | | |
| 1,2-Dichloropropane | 22.7 | 0.50 | ug/l | 25.0 | | 91 | 80-120 | | | |
| 1,3-Dichloropropane | 22.6 | 0.50 | ug/l | 25.0 | | 90 | 80-120 | | | |
| 2,2-Dichloropropane | 21.1 | 1.0 | ug/l | 25.0 | | 84 | 75-130 | | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030 OU3

Report Number: PUI0468

Sampled: 09/08/11
Received: 09/08/11

METHOD BLANK/OC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-----------------|
| Batch: 1110469 Extracted: 09/14/11 | | | | | | | | | | |
| LCS Analyzed: 09/14/2011 (1110469-BS1) | | | | | | | | | | |
| 1,1-Dichloropropene | 23.1 | 0.50 | ug/l | 25.0 | | 92 | 75-120 | | | |
| cis-1,3-Dichloropropene | 21.9 | 0.50 | ug/l | 25.0 | | 88 | 80-120 | | | |
| trans-1,3-Dichloropropene | 21.2 | 0.50 | ug/l | 25.0 | | 85 | 80-125 | | | |
| Ethylbenzene | 27.1 | 0.50 | ug/l | 25.0 | | 108 | 80-120 | | | |
| Hexachlorobutadiene | 28.0 | 1.0 | ug/l | 25.0 | | 112 | 40-150 | | | |
| 2-Hexanone | 18.4 | 2.5 | ug/l | 25.0 | | 74 | 20-150 | | | |
| Iodomethane | 32.6 | 2.5 | ug/l | 25.0 | | 130 | 80-130 | | | |
| Isopropylbenzene | 27.2 | 0.50 | ug/l | 25.0 | | 109 | 80-130 | | | |
| p-Isopropyltoluene | 26.3 | 0.50 | ug/l | 25.0 | | 105 | 80-130 | | | |
| Methylene Chloride | 23.0 | 1.0 | ug/l | 25.0 | | 92 | 70-120 | | | |
| 4-Methyl-2-pentanone (MIBK) | 17.6 | 2.5 | ug/l | 25.0 | | 70 | 60-135 | | | |
| Methyl-tert-butyl Ether (MTBE) | 18.1 | 0.50 | ug/l | 25.0 | | 73 | 70-130 | | | |
| Naphthalene | 23.3 | 2.5 | ug/l | 25.0 | | 93 | 40-150 | | | |
| n-Propylbenzene | 25.9 | 0.50 | ug/l | 25.0 | | 103 | 75-130 | | | |
| Styrene | 24.8 | 0.50 | ug/l | 25.0 | | 99 | 80-120 | | | |
| 1,1,1,2-Tetrachloroethane | 27.7 | 0.50 | ug/l | 25.0 | | 111 | 75-125 | | | |
| 1,1,2,2-Tetrachloroethane | 23.1 | 0.50 | ug/l | 25.0 | | 92 | 80-120 | | | |
| Tetrachloroethene | 30.0 | 0.50 | ug/l | 25.0 | | 120 | 70-130 | | | |
| Toluene | 23.8 | 0.50 | ug/l | 25.0 | | 95 | 80-120 | | | |
| 1,2,3-Trichlorobenzene | 26.4 | 1.0 | ug/l | 25.0 | | 105 | 55-150 | | | |
| 1,2,4-Trichlorobenzene | 27.0 | 1.0 | ug/l | 25.0 | | 108 | 50-150 | | | |
| 1,1,1-Trichloroethane | 23.2 | 0.50 | ug/l | 25.0 | | 93 | 75-125 | | | |
| 1,1,2-Trichloroethane | 21.8 | 0.50 | ug/l | 25.0 | | 87 | 80-120 | | | |
| Trichloroethene | 25.6 | 0.50 | ug/l | 25.0 | | 102 | 80-120 | | | |
| Trichlorofluoromethane | 25.2 | 0.50 | ug/l | 25.0 | | 101 | 70-150 | | | |
| 1,2,3-Trichloropropane | 23.0 | 1.0 | ug/l | 25.0 | | 92 | 70-130 | | | |
| 1,2,4-Trimethylbenzene | 25.1 | 0.50 | ug/l | 25.0 | | 100 | 80-120 | | | |
| 1,3,5-Trimethylbenzene | 25.9 | 0.50 | ug/l | 25.0 | | 104 | 80-130 | | | |
| Vinyl Acetate | 18.4 | 1.0 | ug/l | 25.0 | | 73 | 40-150 | | | |
| Vinyl chloride | 24.0 | 0.50 | ug/l | 25.0 | | 96 | 70-130 | | | |
| Xylenes, Total | 53.8 | 1.5 | ug/l | 50.0 | | 108 | 60-140 | | | |
| Freon 113 | 25.6 | 2.0 | ug/l | 25.0 | | 102 | 60-140 | | | |
| Surrogate: Dibromofluoromethane | 22.6 | | ug/l | 25.0 | | 90 | 80-130 | | | |
| Surrogate: Toluene-d8 | 23.4 | | ug/l | 25.0 | | 93 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 24.9 | | ug/l | 25.0 | | 100 | 80-125 | | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030 OU3
Report Number: PUI0468

Sampled: 09/08/11
Received: 09/08/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------|------|-------------|------|-----------|-----------------|
| Batch: 1110469 Extracted: 09/14/11 | | | | | | | | | | |
| LCS Dup Analyzed: 09/14/2011 (1110469-BSD1) | | | | | | | | | | |
| Acetone | 22.3 | 10 | ug/l | 25.0 | | 89 | 10-150 | 18 | 35 | |
| Benzene | 25.3 | 0.50 | ug/l | 25.0 | | 101 | 80-120 | 3 | 15 | |
| Bromobenzene | 27.2 | 0.50 | ug/l | 25.0 | | 109 | 80-120 | 3 | 15 | |
| Bromochloromethane | 22.7 | 0.50 | ug/l | 25.0 | | 91 | 80-125 | 4 | 15 | |
| Bromodichloromethane | 21.6 | 0.50 | ug/l | 25.0 | | 86 | 80-120 | 0.5 | 15 | |
| Bromoform | 26.4 | 1.0 | ug/l | 25.0 | | 106 | 75-130 | 7 | 20 | |
| Bromomethane | 26.1 | 1.0 | ug/l | 25.0 | | 104 | 55-150 | 4 | 20 | |
| 2-Butanone (MEK) | 14.1 | 2.5 | ug/l | 25.0 | | 56 | 40-150 | 46 | 35 | R6 |
| n-Butylbenzene | 25.7 | 0.50 | ug/l | 25.0 | | 103 | 80-130 | 2 | 15 | |
| sec-Butylbenzene | 27.1 | 0.50 | ug/l | 25.0 | | 109 | 80-125 | 3 | 15 | |
| tert-Butylbenzene | 26.2 | 0.50 | ug/l | 25.0 | | 105 | 80-120 | 2 | 15 | |
| Carbon disulfide | 21.9 | 1.0 | ug/l | 25.0 | | 88 | 70-140 | 2 | 15 | |
| Carbon tetrachloride | 24.8 | 0.50 | ug/l | 25.0 | | 99 | 75-130 | 0.3 | 20 | |
| Chlorobenzene | 28.0 | 0.50 | ug/l | 25.0 | | 112 | 80-120 | 0.7 | 15 | |
| Chloroethane | 23.4 | 1.0 | ug/l | 25.0 | | 94 | 70-130 | 3 | 15 | |
| Chloroform | 22.0 | 0.50 | ug/l | 25.0 | | 88 | 75-120 | 4 | 15 | |
| Chloromethane | 19.4 | 1.0 | ug/l | 25.0 | | 78 | 60-140 | 3 | 20 | |
| 2-Chlorotoluene | 24.8 | 0.50 | ug/l | 25.0 | | 99 | 80-120 | 3 | 15 | |
| 4-Chlorotoluene | 24.6 | 0.50 | ug/l | 25.0 | | 98 | 80-120 | 1 | 15 | |
| Dibromochloromethane | 23.8 | 0.50 | ug/l | 25.0 | | 95 | 80-120 | 1 | 15 | |
| 1,2-Dibromo-3-chloropropane | 25.2 | 2.5 | ug/l | 25.0 | | 101 | 50-150 | 23 | 35 | |
| 1,2-Dibromoethane (EDB) | 25.5 | 0.50 | ug/l | 25.0 | | 102 | 80-120 | 4 | 15 | |
| Dibromomethane | 24.5 | 0.50 | ug/l | 25.0 | | 98 | 75-120 | 6 | 15 | |
| 1,2-Dichlorobenzene | 27.7 | 0.50 | ug/l | 25.0 | | 111 | 80-120 | 6 | 15 | |
| 1,3-Dichlorobenzene | 28.0 | 0.50 | ug/l | 25.0 | | 112 | 80-120 | 3 | 15 | |
| 1,4-Dichlorobenzene | 27.3 | 0.50 | ug/l | 25.0 | | 109 | 80-120 | 4 | 15 | |
| Dichlorodifluoromethane | 17.1 | 0.50 | ug/l | 25.0 | | 68 | 60-150 | 7 | 30 | |
| 1,1-Dichloroethane | 21.9 | 0.50 | ug/l | 25.0 | | 87 | 70-125 | 1 | 15 | |
| 1,2-Dichloroethane | 21.0 | 0.50 | ug/l | 25.0 | | 84 | 75-130 | 5 | 15 | |
| 1,1-Dichloroethene | 22.7 | 0.50 | ug/l | 25.0 | | 91 | 75-125 | 2 | 20 | |
| cis-1,2-Dichloroethene | 21.0 | 0.50 | ug/l | 25.0 | | 84 | 80-120 | 0.05 | 15 | |
| trans-1,2-Dichloroethene | 22.4 | 0.50 | ug/l | 25.0 | | 89 | 80-120 | 1 | 15 | |
| 1,2-Dichloropropane | 23.4 | 0.50 | ug/l | 25.0 | | 93 | 80-120 | 3 | 15 | |
| 1,3-Dichloropropane | 23.2 | 0.50 | ug/l | 25.0 | | 93 | 80-120 | 3 | 15 | |
| 2,2-Dichloropropane | 20.6 | 1.0 | ug/l | 25.0 | | 83 | 75-130 | 2 | 15 | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030 OU3

Report Number: PUI0468

Sampled: 09/08/11
Received: 09/08/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | Limit | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------|-----------|--------|-----|-----------|-----------------|
| Batch: 1110469 Extracted: 09/14/11 | | | | | | | | | | |
| LCS Dup Analyzed: 09/14/2011 (1110469-BSD1) | | | | | | | | | | |
| 1,1-Dichloropropene | 23.2 | 0.50 | ug/l | 25.0 | | 93 | 75-120 | 0.5 | 15 | |
| cis-1,3-Dichloropropene | 21.4 | 0.50 | ug/l | 25.0 | | 86 | 80-120 | 2 | 15 | |
| trans-1,3-Dichloropropene | 21.3 | 0.50 | ug/l | 25.0 | | 85 | 80-125 | 0.2 | 15 | |
| Ethylbenzene | 27.1 | 0.50 | ug/l | 25.0 | | 109 | 80-120 | 0.2 | 15 | |
| Hexachlorobutadiene | 28.8 | 1.0 | ug/l | 25.0 | | 115 | 40-150 | 3 | 35 | |
| 2-Hexanone | 19.0 | 2.5 | ug/l | 25.0 | | 76 | 20-150 | 3 | 35 | |
| Iodomethane | 30.0 | 2.5 | ug/l | 25.0 | | 120 | 80-130 | 8 | 10 | |
| Isopropylbenzene | 27.6 | 0.50 | ug/l | 25.0 | | 110 | 80-130 | 2 | 15 | |
| p-Isopropyltoluene | 26.6 | 0.50 | ug/l | 25.0 | | 106 | 80-130 | 1 | 15 | |
| Methylene Chloride | 21.5 | 1.0 | ug/l | 25.0 | | 86 | 70-120 | 7 | 15 | |
| 4-Methyl-2-pentanone (MIBK) | 19.9 | 2.5 | ug/l | 25.0 | | 80 | 60-135 | 13 | 25 | |
| Methyl-tert-butyl Ether (MTBE) | 19.6 | 0.50 | ug/l | 25.0 | | 78 | 70-130 | 8 | 20 | |
| Naphthalene | 26.2 | 2.5 | ug/l | 25.0 | | 105 | 40-150 | 12 | 30 | |
| n-Propylbenzene | 26.2 | 0.50 | ug/l | 25.0 | | 105 | 75-130 | 1 | 15 | |
| Styrene | 24.8 | 0.50 | ug/l | 25.0 | | 99 | 80-120 | 0.2 | 15 | |
| 1,1,1,2-Tetrachloroethane | 26.7 | 0.50 | ug/l | 25.0 | | 107 | 75-125 | 4 | 15 | |
| 1,1,2,2-Tetrachloroethane | 25.9 | 0.50 | ug/l | 25.0 | | 104 | 80-120 | 11 | 20 | |
| Tetrachloroethene | 29.6 | 0.50 | ug/l | 25.0 | | 118 | 70-130 | 1 | 20 | |
| Toluene | 24.3 | 0.50 | ug/l | 25.0 | | 97 | 80-120 | 2 | 15 | |
| 1,2,3-Trichlorobenzene | 28.4 | 1.0 | ug/l | 25.0 | | 114 | 55-150 | 8 | 35 | |
| 1,2,4-Trichlorobenzene | 28.4 | 1.0 | ug/l | 25.0 | | 114 | 50-150 | 5 | 30 | |
| 1,1,1-Trichloroethane | 22.8 | 0.50 | ug/l | 25.0 | | 91 | 75-125 | 2 | 15 | |
| 1,1,2-Trichloroethane | 24.8 | 0.50 | ug/l | 25.0 | | 99 | 80-120 | 13 | 15 | |
| Trichloroethene | 25.3 | 0.50 | ug/l | 25.0 | | 101 | 80-120 | 1 | 15 | |
| Trichlorofluoromethane | 24.8 | 0.50 | ug/l | 25.0 | | 99 | 70-150 | 2 | 25 | |
| 1,2,3-Trichloropropane | 24.3 | 1.0 | ug/l | 25.0 | | 97 | 70-130 | 5 | 20 | |
| 1,2,4-Trimethylbenzene | 25.9 | 0.50 | ug/l | 25.0 | | 103 | 80-120 | 3 | 15 | |
| 1,3,5-Trimethylbenzene | 26.4 | 0.50 | ug/l | 25.0 | | 105 | 80-130 | 2 | 15 | |
| Vinyl Acetate | 19.4 | 1.0 | ug/l | 25.0 | | 78 | 40-150 | 5 | 25 | |
| Vinyl chloride | 23.5 | 0.50 | ug/l | 25.0 | | 94 | 70-130 | 2 | 20 | |
| Xylenes, Total | 54.2 | 1.5 | ug/l | 50.0 | | 108 | 60-140 | 0.7 | 15 | |
| Freon 113 | 24.6 | 2.0 | ug/l | 25.0 | | 99 | 60-140 | 4 | 15 | |
| Surrogate: Dibromofluoromethane | 22.7 | | ug/l | 25.0 | | 91 | 80-130 | | | |
| Surrogate: Toluene-d8 | 24.4 | | ug/l | 25.0 | | 98 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 25.8 | | ug/l | 25.0 | | 103 | 80-125 | | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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PUI0468 <Page 32 of 39>

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030 OU3

Report Number: PUI0468

Sampled: 09/08/11
Received: 09/08/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | Limit | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|------------------------------|-----------|--------|-----|-----------|-----------------|
| Batch: 11I0469 Extracted: 09/14/11 | | | | | | | | | | |
| Matrix Spike Analyzed: 09/14/2011 (11I0469-MS1) | | | | | Source: PUI0468-02RE1 | | | | | |
| Acetone | 16.0 | 10 | ug/l | 25.0 | ND | 64 | 10-150 | | | |
| Benzene | 24.6 | 0.50 | ug/l | 25.0 | ND | 98 | 70-125 | | | |
| Bromobenzene | 27.4 | 0.50 | ug/l | 25.0 | ND | 110 | 75-120 | | | |
| Bromochloromethane | 23.0 | 0.50 | ug/l | 25.0 | ND | 92 | 75-130 | | | |
| Bromodichloromethane | 21.4 | 0.50 | ug/l | 25.0 | ND | 86 | 75-125 | | | |
| Bromoform | 25.0 | 1.0 | ug/l | 25.0 | ND | 100 | 65-125 | | | |
| Bromomethane | 26.2 | 1.0 | ug/l | 25.0 | ND | 105 | 45-150 | | | |
| 2-Butanone (MEK) | 18.8 | 2.5 | ug/l | 25.0 | ND | 75 | 15-150 | | | |
| n-Butylbenzene | 25.3 | 0.50 | ug/l | 25.0 | ND | 101 | 70-130 | | | |
| sec-Butylbenzene | 26.7 | 0.50 | ug/l | 25.0 | ND | 107 | 70-125 | | | |
| tert-Butylbenzene | 25.8 | 0.50 | ug/l | 25.0 | ND | 103 | 70-125 | | | |
| Carbon disulfide | 22.0 | 1.0 | ug/l | 25.0 | ND | 88 | 65-145 | | | |
| Carbon tetrachloride | 24.3 | 0.50 | ug/l | 25.0 | ND | 97 | 65-135 | | | |
| Chlorobenzene | 28.0 | 0.50 | ug/l | 25.0 | ND | 112 | 75-120 | | | |
| Chloroethane | 22.9 | 1.0 | ug/l | 25.0 | ND | 92 | 65-140 | | | |
| Chloroform | 23.0 | 0.50 | ug/l | 25.0 | 1.15 | 87 | 70-130 | | | |
| Chloromethane | 19.5 | 1.0 | ug/l | 25.0 | 0.240 | 77 | 55-145 | | | |
| 2-Chlorotoluene | 24.6 | 0.50 | ug/l | 25.0 | ND | 98 | 70-125 | | | |
| 4-Chlorotoluene | 24.8 | 0.50 | ug/l | 25.0 | ND | 99 | 70-125 | | | |
| Dibromochloromethane | 24.2 | 0.50 | ug/l | 25.0 | ND | 97 | 70-130 | | | |
| 1,2-Dibromo-3-chloropropane | 22.8 | 2.5 | ug/l | 25.0 | ND | 91 | 50-150 | | | |
| 1,2-Dibromoethane (EDB) | 25.3 | 0.50 | ug/l | 25.0 | ND | 101 | 70-125 | | | |
| Dibromomethane | 23.3 | 0.50 | ug/l | 25.0 | ND | 93 | 70-120 | | | |
| 1,2-Dichlorobenzene | 27.4 | 0.50 | ug/l | 25.0 | ND | 109 | 75-120 | | | |
| 1,3-Dichlorobenzene | 27.3 | 0.50 | ug/l | 25.0 | ND | 109 | 75-120 | | | |
| 1,4-Dichlorobenzene | 26.8 | 0.50 | ug/l | 25.0 | ND | 107 | 70-125 | | | |
| Dichlorodifluoromethane | 17.0 | 0.50 | ug/l | 25.0 | ND | 68 | 60-150 | | | |
| 1,1-Dichloroethane | 20.5 | 0.50 | ug/l | 25.0 | ND | 82 | 70-130 | | | |
| 1,2-Dichloroethane | 20.4 | 0.50 | ug/l | 25.0 | ND | 82 | 65-140 | | | |
| 1,1-Dichloroethene | 22.6 | 0.50 | ug/l | 25.0 | ND | 91 | 70-130 | | | |
| cis-1,2-Dichloroethene | 20.9 | 0.50 | ug/l | 25.0 | ND | 84 | 70-125 | | | |
| trans-1,2-Dichloroethene | 21.6 | 0.50 | ug/l | 25.0 | ND | 86 | 75-125 | | | |
| 1,2-Dichloropropane | 22.6 | 0.50 | ug/l | 25.0 | ND | 91 | 75-125 | | | |
| 1,3-Dichloropropane | 23.8 | 0.50 | ug/l | 25.0 | ND | 95 | 70-120 | | | |
| 2,2-Dichloropropane | 21.0 | 1.0 | ug/l | 25.0 | ND | 84 | 65-140 | | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
 7272 E. Indian School Rd., Ste. 100
 Scottsdale, AZ 85251
 Attention: Jason Hilker

Project ID: 0096498.030 OU3

Report Number: PUI0468

Sampled: 09/08/11
 Received: 09/08/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|------------------------------|------|-------------|-----|-----------|-----------------|
| Batch: 1110469 Extracted: 09/14/11 | | | | | | | | | | |
| Matrix Spike Analyzed: 09/14/2011 (1110469-MS1) | | | | | Source: PUI0468-02RE1 | | | | | |
| 1,1-Dichloropropene | 23.1 | 0.50 | ug/l | 25.0 | ND | 93 | 65-130 | | | |
| cis-1,3-Dichloropropene | 22.0 | 0.50 | ug/l | 25.0 | ND | 88 | 75-130 | | | |
| trans-1,3-Dichloropropene | 21.7 | 0.50 | ug/l | 25.0 | ND | 87 | 70-130 | | | |
| Ethylbenzene | 26.6 | 0.50 | ug/l | 25.0 | ND | 106 | 70-125 | | | |
| Hexachlorobutadiene | 26.8 | 1.0 | ug/l | 25.0 | ND | 107 | 40-150 | | | |
| 2-Hexanone | 18.5 | 2.5 | ug/l | 25.0 | ND | 74 | 20-150 | | | |
| Iodomethane | 31.0 | 2.5 | ug/l | 25.0 | ND | 124 | 60-150 | | | |
| Isopropylbenzene | 27.1 | 0.50 | ug/l | 25.0 | ND | 108 | 75-130 | | | |
| p-Isopropyltoluene | 26.0 | 0.50 | ug/l | 25.0 | ND | 104 | 70-130 | | | |
| Methylene Chloride | 22.8 | 1.0 | ug/l | 25.0 | ND | 91 | 65-130 | | | |
| 4-Methyl-2-pentanone (MIBK) | 19.3 | 2.5 | ug/l | 25.0 | ND | 77 | 55-135 | | | |
| Methyl-tert-butyl Ether (MTBE) | 18.6 | 0.50 | ug/l | 25.0 | ND | 74 | 65-140 | | | |
| Naphthalene | 23.2 | 2.5 | ug/l | 25.0 | ND | 93 | 40-150 | | | |
| n-Propylbenzene | 25.9 | 0.50 | ug/l | 25.0 | ND | 104 | 70-130 | | | |
| Styrene | 16.9 | 0.50 | ug/l | 25.0 | ND | 67 | 55-135 | | | |
| 1,1,1,2-Tetrachloroethane | 26.3 | 0.50 | ug/l | 25.0 | ND | 105 | 70-125 | | | |
| 1,1,2,2-Tetrachloroethane | 24.6 | 0.50 | ug/l | 25.0 | ND | 98 | 70-125 | | | |
| Tetrachloroethene | 32.3 | 0.50 | ug/l | 25.0 | 2.78 | 118 | 65-130 | | | |
| Toluene | 25.8 | 0.50 | ug/l | 25.0 | ND | 103 | 70-125 | | | |
| 1,2,3-Trichlorobenzene | 27.0 | 1.0 | ug/l | 25.0 | ND | 108 | 50-150 | | | |
| 1,2,4-Trichlorobenzene | 27.7 | 1.0 | ug/l | 25.0 | ND | 111 | 50-150 | | | |
| 1,1,1-Trichloroethane | 22.5 | 0.50 | ug/l | 25.0 | ND | 90 | 70-130 | | | |
| 1,1,2-Trichloroethane | 24.1 | 0.50 | ug/l | 25.0 | ND | 97 | 75-125 | | | |
| Trichloroethene | 24.9 | 0.50 | ug/l | 25.0 | ND | 100 | 70-125 | | | |
| Trichlorofluoromethane | 25.0 | 0.50 | ug/l | 25.0 | ND | 100 | 65-150 | | | |
| 1,2,3-Trichloropropane | 24.0 | 1.0 | ug/l | 25.0 | ND | 96 | 70-130 | | | |
| 1,2,4-Trimethylbenzene | 24.7 | 0.50 | ug/l | 25.0 | ND | 99 | 70-125 | | | |
| 1,3,5-Trimethylbenzene | 25.8 | 0.50 | ug/l | 25.0 | ND | 103 | 75-130 | | | |
| Vinyl Acetate | 16.4 | 1.0 | ug/l | 25.0 | ND | 66 | 40-150 | | | |
| Vinyl chloride | 23.5 | 0.50 | ug/l | 25.0 | ND | 94 | 60-140 | | | |
| Xylenes, Total | 52.7 | 1.5 | ug/l | 50.0 | ND | 105 | 75-120 | | | |
| Freon 113 | 24.7 | 2.0 | ug/l | 25.0 | ND | 99 | 65-140 | | | |
| Surrogate: Dibromofluoromethane | 23.3 | | ug/l | 25.0 | | 93 | 80-130 | | | |
| Surrogate: Toluene-d8 | 25.8 | | ug/l | 25.0 | | 103 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 24.1 | | ug/l | 25.0 | | 97 | 80-125 | | | |

TestAmerica Phoenix

Kylie Emily
 Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030 OU3
Report Number: PUI0468

Sampled: 09/08/11
Received: 09/08/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-------|-------------|------------------------------|------|-------------|------|-----------|-----------------|
| Batch: 11I0469 Extracted: 09/14/11 | | | | | | | | | | |
| Matrix Spike Dup Analyzed: 09/14/2011 (11I0469-MSD1) | | | | | Source: PUI0468-02RE1 | | | | | |
| Acetone | 17.5 | 10 | ug/l | 25.0 | ND | 70 | 10-150 | 9 | 35 | |
| Benzene | 24.7 | 0.50 | ug/l | 25.0 | ND | 99 | 70-125 | 0.6 | 25 | |
| Bromobenzene | 26.8 | 0.50 | ug/l | 25.0 | ND | 107 | 75-120 | 2 | 20 | |
| Bromochloromethane | 22.8 | 0.50 | ug/l | 25.0 | ND | 91 | 75-130 | 0.8 | 20 | |
| Bromodichloromethane | 20.6 | 0.50 | ug/l | 25.0 | ND | 82 | 75-125 | 4 | 20 | |
| Bromoform | 23.6 | 1.0 | ug/l | 25.0 | ND | 95 | 65-125 | 6 | 25 | |
| Bromomethane | 26.4 | 1.0 | ug/l | 25.0 | ND | 106 | 45-150 | 0.7 | 35 | |
| 2-Butanone (MEK) | 19.5 | 2.5 | ug/l | 25.0 | ND | 78 | 15-150 | 4 | 30 | |
| n-Butylbenzene | 24.7 | 0.50 | ug/l | 25.0 | ND | 99 | 70-130 | 2 | 30 | |
| sec-Butylbenzene | 25.7 | 0.50 | ug/l | 25.0 | ND | 103 | 70-125 | 4 | 30 | |
| tert-Butylbenzene | 25.0 | 0.50 | ug/l | 25.0 | ND | 100 | 70-125 | 3 | 25 | |
| Carbon disulfide | 21.1 | 1.0 | ug/l | 25.0 | ND | 84 | 65-145 | 4 | 25 | |
| Carbon tetrachloride | 24.3 | 0.50 | ug/l | 25.0 | ND | 97 | 65-135 | 0.04 | 25 | |
| Chlorobenzene | 28.6 | 0.50 | ug/l | 25.0 | ND | 114 | 75-120 | 2 | 20 | |
| Chloroethane | 22.6 | 1.0 | ug/l | 25.0 | ND | 91 | 65-140 | 1 | 25 | |
| Chloroform | 23.1 | 0.50 | ug/l | 25.0 | 1.15 | 88 | 70-130 | 0.6 | 20 | |
| Chloromethane | 19.0 | 1.0 | ug/l | 25.0 | 0.240 | 75 | 55-145 | 2 | 35 | |
| 2-Chlorotoluene | 23.9 | 0.50 | ug/l | 25.0 | ND | 96 | 70-125 | 3 | 25 | |
| 4-Chlorotoluene | 23.9 | 0.50 | ug/l | 25.0 | ND | 96 | 70-125 | 4 | 25 | |
| Dibromochloromethane | 23.5 | 0.50 | ug/l | 25.0 | ND | 94 | 70-130 | 3 | 20 | |
| 1,2-Dibromo-3-chloropropane | 22.4 | 2.5 | ug/l | 25.0 | ND | 89 | 50-150 | 2 | 30 | |
| 1,2-Dibromoethane (EDB) | 24.6 | 0.50 | ug/l | 25.0 | ND | 98 | 70-125 | 3 | 20 | |
| Dibromomethane | 22.9 | 0.50 | ug/l | 25.0 | ND | 92 | 70-120 | 1 | 20 | |
| 1,2-Dichlorobenzene | 26.0 | 0.50 | ug/l | 25.0 | ND | 104 | 75-120 | 5 | 20 | |
| 1,3-Dichlorobenzene | 26.4 | 0.50 | ug/l | 25.0 | ND | 106 | 75-120 | 3 | 25 | |
| 1,4-Dichlorobenzene | 26.1 | 0.50 | ug/l | 25.0 | ND | 105 | 70-125 | 3 | 20 | |
| Dichlorodifluoromethane | 15.7 | 0.50 | ug/l | 25.0 | ND | 63 | 60-150 | 8 | 30 | |
| 1,1-Dichloroethane | 22.0 | 0.50 | ug/l | 25.0 | ND | 88 | 70-130 | 7 | 20 | |
| 1,2-Dichloroethane | 20.3 | 0.50 | ug/l | 25.0 | ND | 81 | 65-140 | 0.4 | 20 | |
| 1,1-Dichloroethene | 22.6 | 0.50 | ug/l | 25.0 | ND | 91 | 70-130 | 0.04 | 25 | |
| cis-1,2-Dichloroethene | 21.6 | 0.50 | ug/l | 25.0 | ND | 86 | 70-125 | 3 | 20 | |
| trans-1,2-Dichloroethene | 21.8 | 0.50 | ug/l | 25.0 | ND | 87 | 75-125 | 1 | 25 | |
| 1,2-Dichloropropane | 22.6 | 0.50 | ug/l | 25.0 | ND | 90 | 75-125 | 0.09 | 20 | |
| 1,3-Dichloropropane | 24.4 | 0.50 | ug/l | 25.0 | ND | 97 | 70-120 | 2 | 20 | |
| 2,2-Dichloropropane | 20.2 | 1.0 | ug/l | 25.0 | ND | 81 | 65-140 | 4 | 25 | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030 OU3

Report Number: PUI0468

Sampled: 09/08/11
Received: 09/08/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-------|-------------|------------------------------|-----------|-------------|------|-----------|-----------------|
| Batch: 11I0469 Extracted: 09/14/11 | | | | | | | | | | |
| Matrix Spike Dup Analyzed: 09/14/2011 (11I0469-MSD1) | | | | | Source: PUI0468-02RE1 | | | | | |
| 1,1-Dichloropropene | 22.7 | 0.50 | ug/l | 25.0 | ND | 91 | 65-130 | 2 | 25 | |
| cis-1,3-Dichloropropene | 21.8 | 0.50 | ug/l | 25.0 | ND | 87 | 75-130 | 1 | 20 | |
| trans-1,3-Dichloropropene | 21.5 | 0.50 | ug/l | 25.0 | ND | 86 | 70-130 | 0.7 | 20 | |
| Ethylbenzene | 26.7 | 0.50 | ug/l | 25.0 | ND | 107 | 70-125 | 0.5 | 25 | |
| Hexachlorobutadiene | 26.7 | 1.0 | ug/l | 25.0 | ND | 107 | 40-150 | 0.5 | 30 | |
| 2-Hexanone | 18.5 | 2.5 | ug/l | 25.0 | ND | 74 | 20-150 | 0.05 | 30 | |
| Iodomethane | 31.1 | 2.5 | ug/l | 25.0 | ND | 124 | 60-150 | 0.4 | 30 | |
| Isopropylbenzene | 26.3 | 0.50 | ug/l | 25.0 | ND | 105 | 75-130 | 3 | 25 | |
| p-Isopropyltoluene | 25.4 | 0.50 | ug/l | 25.0 | ND | 102 | 70-130 | 2 | 30 | |
| Methylene Chloride | 22.4 | 1.0 | ug/l | 25.0 | ND | 90 | 65-130 | 2 | 20 | |
| 4-Methyl-2-pentanone (MIBK) | 18.2 | 2.5 | ug/l | 25.0 | ND | 73 | 55-135 | 6 | 25 | |
| Methyl-tert-butyl Ether (MTBE) | 18.3 | 0.50 | ug/l | 25.0 | ND | 73 | 65-140 | 1 | 25 | |
| Naphthalene | 23.4 | 2.5 | ug/l | 25.0 | ND | 94 | 40-150 | 0.8 | 30 | |
| n-Propylbenzene | 25.4 | 0.50 | ug/l | 25.0 | ND | 102 | 70-130 | 2 | 30 | |
| Styrene | 16.7 | 0.50 | ug/l | 25.0 | ND | 67 | 55-135 | 0.9 | 35 | |
| 1,1,1,2-Tetrachloroethane | 25.8 | 0.50 | ug/l | 25.0 | ND | 103 | 70-125 | 2 | 20 | |
| 1,1,2,2-Tetrachloroethane | 23.6 | 0.50 | ug/l | 25.0 | ND | 94 | 70-125 | 4 | 25 | |
| Tetrachloroethene | 31.6 | 0.50 | ug/l | 25.0 | 2.78 | 115 | 65-130 | 2 | 25 | |
| Toluene | 25.7 | 0.50 | ug/l | 25.0 | ND | 103 | 70-125 | 0.6 | 20 | |
| 1,2,3-Trichlorobenzene | 26.7 | 1.0 | ug/l | 25.0 | ND | 107 | 50-150 | 1 | 35 | |
| 1,2,4-Trichlorobenzene | 26.0 | 1.0 | ug/l | 25.0 | ND | 104 | 50-150 | 6 | 25 | |
| 1,1,1-Trichloroethane | 22.4 | 0.50 | ug/l | 25.0 | ND | 90 | 70-130 | 0.6 | 25 | |
| 1,1,2-Trichloroethane | 23.8 | 0.50 | ug/l | 25.0 | ND | 95 | 75-125 | 1 | 20 | |
| Trichloroethene | 24.3 | 0.50 | ug/l | 25.0 | ND | 97 | 70-125 | 3 | 25 | |
| Trichlorofluoromethane | 24.3 | 0.50 | ug/l | 25.0 | ND | 97 | 65-150 | 3 | 25 | |
| 1,2,3-Trichloropropane | 21.2 | 1.0 | ug/l | 25.0 | ND | 85 | 70-130 | 12 | 25 | |
| 1,2,4-Trimethylbenzene | 24.0 | 0.50 | ug/l | 25.0 | ND | 96 | 70-125 | 3 | 30 | |
| 1,3,5-Trimethylbenzene | 25.2 | 0.50 | ug/l | 25.0 | ND | 101 | 75-130 | 2 | 25 | |
| Vinyl Acetate | 14.9 | 1.0 | ug/l | 25.0 | ND | 60 | 40-150 | 9 | 30 | |
| Vinyl chloride | 22.5 | 0.50 | ug/l | 25.0 | ND | 90 | 60-140 | 4 | 25 | |
| Xylenes, Total | 53.6 | 1.5 | ug/l | 50.0 | ND | 107 | 75-120 | 2 | 15 | |
| Freon 113 | 24.0 | 2.0 | ug/l | 25.0 | ND | 96 | 65-140 | 3 | 20 | |
| Surrogate: Dibromofluoromethane | 22.9 | | ug/l | 25.0 | | 92 | 80-130 | | | |
| Surrogate: Toluene-d8 | 24.9 | | ug/l | 25.0 | | 100 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 25.3 | | ug/l | 25.0 | | 101 | 80-125 | | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030 OU3

Report Number: PUI0468

Sampled: 09/08/11
Received: 09/08/11

METHOD BLANK/OC DATA

1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------|-----------|-----------|-----|-----------|-----------------|
| Batch: 11I0331 Extracted: 09/11/11 | | | | | | | | | | |
| Blank Analyzed: 09/12/2011 (11I0331-BLK1) | | | | | | | | | | |
| 1,4-Dioxane | ND | 1.0 | ug/l | | | | | | | |
| Surrogate: 1,4-Dioxane-d8 | 13.2 | | ug/l | 20.0 | | 66 | 38.6-88.3 | | | |
| Surrogate: Nitrobenzene-d5 | 15.9 | | ug/l | 20.0 | | 80 | 59.9-120 | | | |
| LCS Analyzed: 09/12/2011 (11I0331-BS1) | | | | | | | | | | |
| 1,4-Dioxane | 20.2 | 1.0 | ug/l | 20.0 | | 101 | 80-120 | | | |
| Surrogate: 1,4-Dioxane-d8 | 14.3 | | ug/l | 20.0 | | 72 | 32-57 | | | S10 |
| Surrogate: Nitrobenzene-d5 | 17.8 | | ug/l | 20.0 | | 89 | 38-125 | | | |
| LCS Dup Analyzed: 09/12/2011 (11I0331-BSD1) | | | | | | | | | | |
| 1,4-Dioxane | 20.1 | 1.0 | ug/l | 20.0 | | 100 | 80-120 | 0.5 | 25 | |
| Surrogate: 1,4-Dioxane-d8 | 13.6 | | ug/l | 20.0 | | 68 | 32-57 | | | S10 |
| Surrogate: Nitrobenzene-d5 | 16.6 | | ug/l | 20.0 | | 83 | 38-125 | | | |
| Matrix Spike Analyzed: 09/12/2011 (11I0331-MS1) Source: PUI0468-03 | | | | | | | | | | |
| 1,4-Dioxane | 20.1 | 1.0 | ug/l | 20.0 | ND | 101 | 70-130 | | | |
| Surrogate: 1,4-Dioxane-d8 | 13.6 | | ug/l | 20.0 | | 68 | 36-81 | | | |
| Surrogate: Nitrobenzene-d5 | 17.3 | | ug/l | 20.0 | | 86 | 59-120 | | | |
| Matrix Spike Dup Analyzed: 09/12/2011 (11I0331-MSD1) Source: PUI0468-03 | | | | | | | | | | |
| 1,4-Dioxane | 20.4 | 1.0 | ug/l | 20.0 | ND | 102 | 70-130 | 1 | 25 | |
| Surrogate: 1,4-Dioxane-d8 | 10.6 | | ug/l | 20.0 | | 53 | 36-81 | | | |
| Surrogate: Nitrobenzene-d5 | 13.9 | | ug/l | 20.0 | | 70 | 59-120 | | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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PUI0468 <Page 37 of 39>

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030 OU3

Report Number: PUI0468

Sampled: 09/08/11

Received: 09/08/11

DATA QUALIFIERS AND DEFINITIONS

- M2** Matrix spike recovery was low; the associated blank spike recovery was acceptable.
- R6** LFB/LFBD RPD exceeded the method acceptance limit. Recovery met acceptance criteria.
- S10** Surrogate recovery was above laboratory and method acceptance limits. See case narrative.
- ND** Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
- RPD** Relative Percent Difference

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Kylie Emily
Project Manager

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PUI0468 <Page 38 of 39>

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030 OU3

Report Number: PUI0468

Sampled: 09/08/11
Received: 09/08/11

Certification Summary

TestAmerica Phoenix

| Method | Matrix | Nelac | Arizona |
|-----------|--------|-------|---------|
| EPA 8260B | Water | X | X |
| EPA 8270C | Water | | X |

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for TestAmerica may be obtained by contacting the laboratory or visiting our website at www.testamericainc.com

TestAmerica Phoenix

Kylie Emily
Project Manager

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PUI0468 <Page 39 of 39>

Environmental Resources Management

CHAIN OF CUSTODY RECORD

PUI0468
NO: 3040

7272 E. Indian School Road, Suite 100 • Scottsdale, AZ • 85251 • (480) 998-2401 • FAX (480) 998-2106

Page 1 of 1

| PROJECT # | | PROJECT NAME | | # OF CONTAINERS | MATRIX | | | REQUESTED PARAMETERS | | | | | | | | | | | | | | |
|---|--------|--------------|------|-----------------|-----------------|--------------|-----------|----------------------|-------------------|-------------------------|---|---|---|---|--|--|--|--|--|--|-----|------------|
| SAMPLER (PRINT NAME) | | (SIGNATURE) | | | SOIL | WATER | GAS | VOL 8260B | 1,4-Dioxane 8270C | MS/MSD | | | | | | | | | | | | |
| RECEIVING LABORATORY | | | | | | | | | | | | | | | | | | | | | | |
| SAMPLE I.D. | DATE | TIME | COMP | GRAB | SAMPLING METHOD | PRESERVATIVE | ICE (Y/N) | SAMPLING VOLUME | | | | | | | | | | | | | | |
| OU3-45-S-090811 | 9/8/11 | 0826 | | X | Pump | HCl | Y | 40mL | 5 | | X | X | X | | | | | | | | -01 | |
| OU3-73-S-090811 | 9/8/11 | 0950 | | X | Pump | HCl | Y | 3x40mL | 5 | | X | X | X | | | | | | | | | -02 |
| OU3-7M2-M-040811 | 9/8/11 | 1148 | | X | PUMP | HCl | Y | 3x40mL | 5 | | X | X | X | | | | | | | | | -03 |
| OU3-7M2-M-090811-MS/MSD | 9/8/11 | 1148 | | X | Pump | HCl | Y | 3x40mL | 7 | | X | X | X | X | | | | | | | | -04 |
| OU3-14M-M-090811 | 9/8/11 | 1621 | | X | Pump | HCl | Y | 3x40mL | 5 | | X | X | X | | | | | | | | | -05 |
| OU3-14D-D-090811 | 9/8/11 | 1643 | | Y | Pump | HCl | Y | 3x40mL | 5 | | X | X | X | | | | | | | | | -06 |
| GW-EB1-1-090811 | 9/8/11 | 1644 | | X | Pump | HCl | Y | 3x40mL | 5 | | X | X | X | | | | | | | | | -07 |
| GW-L1-1-090811 | 9/8/11 | - | | - | - | HCl | Y | 1x40mL | 1 | | X | | | | | | | | | | | Trip Blank |
| RELINQUISHED BY (SIGNATURE) | | DATE | TIME | RF | RECEIVED BY | | DATE | TIME | FIELD REMARKS | | | | | | | | | | | | | |
| <i>ERM</i> | | 9/8/11 | 1730 | 1718 | | | | | | | | | | | | | | | | | | |
| RELINQUISHED BY (SIGNATURE) | | DATE | TIME | | RECEIVED BY | | DATE | TIME | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | |
| RELINQUISHED BY (SIGNATURE) | | DATE | TIME | | RECEIVED BY | | DATE | TIME | | | | | | | | | | | | | | |
| | | | | | | | 9/8/11 | 1718 | | | | | | | | | | | | | | |
| REMARKS ON SAMPLE RECEIPT | | | | | ERM REMARKS | | | | | SEND REPORT TO: | | | | | | | | | | | | |
| <input type="checkbox"/> BOTTLE INTACT <input type="checkbox"/> CUSTODY SEALS <input type="checkbox"/> CHILLED <input type="checkbox"/> PRESERVED <input type="checkbox"/> SEALS INTACT <input type="checkbox"/> SEE REMARKS | | | | | | | | | | Jason. Hilber @ ERM.com | | | | | | | | | | | | |

WHITE - LABORATORY COPY

CANARY - FIELD COPY

PINK - DATABASE

GOLD - PROJECT FILE

LABORATORY REPORT

Prepared For: Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project: OU3 0096498.030

Sampled: 09/09/11
Received: 09/09/11
Revised: 11/21/11 15:42

NELAP #01109CA Arizona DHS#AZ0728

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica. The Chain of Custody, 1 page, is included and is an integral part of this report.

This entire report was reviewed and approved for release.

CASE NARRATIVE

| LABORATORY ID | CLIENT ID | MATRIX |
|---------------|-------------------|--------|
| PUI0566-01 | OU3-9M2-M-090911 | Water |
| PUI0566-02 | OU3-9S-S-090911 | Water |
| PUI0566-03 | OU3-12D-D-090911 | Water |
| PUI0566-04 | OU3-12M-M-090911 | Water |
| PUI0566-05 | SC-MW-1D-S-090911 | Water |
| PUI0566-06 | GW-EB1-2-090911 | Water |
| PUI0566-07 | GW-L1-2-090911 | Water |

TestAmerica Phoenix

Kylie Emily
Project Manager

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax: (602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0566

Sampled: 09/09/11

Received: 09/09/11

SAMPLE RECEIPT: Samples were received intact, at 5°C, on ice and with chain of custody documentation.

HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the TestAmerica Sample Acceptance Policy unless otherwise noted in the report.

PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

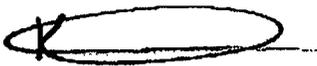
QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.
R1-The RPD exceeded the acceptance limit.
S10-Surrogate recovery was above acceptance limits.
L3-Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.
N1 = The Laboratory Control Sample recovered low and outside of client acceptance limits for 1,2-Dichloroethane and cis-1,2-Dichloroethene . The Laboratory Control Sample Duplicate as well as the Matrix Spike recovered low and outside of client acceptance limits for Dichlorodifluoromethane. Recoveries were within the laboratory acceptance limits . All associated samples are non-detect for these compounds.

COMMENTS: No significant observations were made.

SUBCONTRACTED: No analyses were subcontracted to an outside laboratory.

ADDITIONAL INFORMATION: Revised report to reflect QAPP limits.

Reviewed By:



TestAmerica Phoenix

Kylie Emily
Project Manager

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PUI0566 <Page 2 of 40>

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0566

Sampled: 09/09/11
Received: 09/09/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------------|---------------|-----------------|-------------------|---------------|-----------------|
| Sample ID: PUI0566-01 (OU3-9M2-M-090911 - Water) | | | | | | Sampled: 09/09/11 | | |
| Reporting Units: ug/l | | | | | | | | |
| Acetone | EPA 8260B | 11I0468 | 10 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Benzene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Bromobenzene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Bromochloromethane | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Bromodichloromethane | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Bromoform | EPA 8260B | 11I0468 | 1.0 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Bromomethane | EPA 8260B | 11I0468 | 1.0 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 2-Butanone (MEK) | EPA 8260B | 11I0468 | 2.5 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| n-Butylbenzene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| sec-Butylbenzene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| tert-Butylbenzene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Carbon disulfide | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Carbon tetrachloride | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Chlorobenzene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Chloroethane | EPA 8260B | 11I0468 | 1.0 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Chloroform | EPA 8260B | 11I0468 | 0.50 | 1.8 | 1 | 9/14/2011 | 9/14/2011 | |
| Chloromethane | EPA 8260B | 11I0468 | 1.0 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 2-Chlorotoluene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 4-Chlorotoluene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Dibromochloromethane | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,2-Dibromo-3-chloropropane | EPA 8260B | 11I0468 | 2.5 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,2-Dibromoethane (EDB) | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Dibromomethane | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,2-Dichlorobenzene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,3-Dichlorobenzene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,4-Dichlorobenzene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Dichlorodifluoromethane | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,1-Dichloroethane | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,2-Dichloroethane | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,1-Dichloroethene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| cis-1,2-Dichloroethene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| trans-1,2-Dichloroethene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,2-Dichloropropane | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,3-Dichloropropane | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 2,2-Dichloropropane | EPA 8260B | 11I0468 | 1.0 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,1-Dichloropropene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| cis-1,3-Dichloropropene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| trans-1,3-Dichloropropene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Ethylbenzene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Hexachlorobutadiene | EPA 8260B | 11I0468 | 1.0 | ND | 1 | 9/14/2011 | 9/14/2011 | |

TestAmerica Phoenix

Kylie Emily
Project Manager

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0566

Sampled: 09/09/11

Received: 09/09/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0566-01 (OU3-9M2-M-090911 - Water) - cont. | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| 2-Hexanone | EPA 8260B | 11I0468 | 2.5 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Iodomethane | EPA 8260B | 11I0468 | 2.5 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Isopropylbenzene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| p-Isopropyltoluene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Methylene Chloride | EPA 8260B | 11I0468 | 1.0 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 4-Methyl-2-pentanone (MIBK) | EPA 8260B | 11I0468 | 2.5 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Methyl-tert-butyl Ether (MTBE) | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Naphthalene | EPA 8260B | 11I0468 | 2.5 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| n-Propylbenzene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Styrene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,1,1,2-Tetrachloroethane | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,1,2,2-Tetrachloroethane | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Tetrachloroethene | EPA 8260B | 11I0468 | 0.50 | 3.3 | 1 | 9/14/2011 | 9/14/2011 | |
| Toluene | EPA 8260B | 11I0468 | 0.50 | 0.53 | 1 | 9/14/2011 | 9/14/2011 | |
| 1,2,3-Trichlorobenzene | EPA 8260B | 11I0468 | 1.0 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,2,4-Trichlorobenzene | EPA 8260B | 11I0468 | 1.0 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,1,1-Trichloroethane | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,1,2-Trichloroethane | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Trichloroethene | EPA 8260B | 11I0468 | 0.50 | 1.8 | 1 | 9/14/2011 | 9/14/2011 | |
| Trichlorofluoromethane | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,2,3-Trichloropropane | EPA 8260B | 11I0468 | 1.0 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,2,4-Trimethylbenzene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,3,5-Trimethylbenzene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Vinyl Acetate | EPA 8260B | 11I0468 | 1.0 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Vinyl chloride | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Xylenes, Total | EPA 8260B | 11I0468 | 1.5 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Freon 113 | EPA 8260B | 11I0468 | 2.0 | ND | 1 | 9/14/2011 | 9/14/2011 | |

Sampled: 09/09/11

Surrogate: Dibromofluoromethane (80-130%)

97 %

Surrogate: Toluene-d8 (80-120%)

97 %

Surrogate: 4-Bromofluorobenzene (80-125%)

96 %

TestAmerica Phoenix

Kylie Emily
Project Manager

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PUI0566 <Page 4 of 40>

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0566

Sampled: 09/09/11
Received: 09/09/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------------|---------------|-----------------|-------------------|---------------|-----------------|
| Sample ID: PUI0566-02 (OU3-9S-S-090911 - Water) | | | | | | Sampled: 09/09/11 | | |
| Reporting Units: ug/l | | | | | | | | |
| Acetone | EPA 8260B | 1110468 | 10 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Benzene | EPA 8260B | 1110468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Bromobenzene | EPA 8260B | 1110468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Bromochloromethane | EPA 8260B | 1110468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Bromodichloromethane | EPA 8260B | 1110468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Bromoform | EPA 8260B | 1110468 | 1.0 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Bromomethane | EPA 8260B | 1110468 | 1.0 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 2-Butanone (MEK) | EPA 8260B | 1110468 | 2.5 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| n-Butylbenzene | EPA 8260B | 1110468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| sec-Butylbenzene | EPA 8260B | 1110468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| tert-Butylbenzene | EPA 8260B | 1110468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Carbon disulfide | EPA 8260B | 1110468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Carbon tetrachloride | EPA 8260B | 1110468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Chlorobenzene | EPA 8260B | 1110468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Chloroethane | EPA 8260B | 1110468 | 1.0 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Chloroform | EPA 8260B | 1110468 | 0.50 | 1.3 | 1 | 9/14/2011 | 9/14/2011 | |
| Chloromethane | EPA 8260B | 1110468 | 1.0 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 2-Chlorotoluene | EPA 8260B | 1110468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 4-Chlorotoluene | EPA 8260B | 1110468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Dibromochloromethane | EPA 8260B | 1110468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,2-Dibromo-3-chloropropane | EPA 8260B | 1110468 | 2.5 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,2-Dibromoethane (EDB) | EPA 8260B | 1110468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Dibromomethane | EPA 8260B | 1110468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,2-Dichlorobenzene | EPA 8260B | 1110468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,3-Dichlorobenzene | EPA 8260B | 1110468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,4-Dichlorobenzene | EPA 8260B | 1110468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Dichlorodifluoromethane | EPA 8260B | 1110468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,1-Dichloroethane | EPA 8260B | 1110468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,2-Dichloroethane | EPA 8260B | 1110468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,1-Dichloroethene | EPA 8260B | 1110468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| cis-1,2-Dichloroethene | EPA 8260B | 1110468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| trans-1,2-Dichloroethene | EPA 8260B | 1110468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,2-Dichloropropane | EPA 8260B | 1110468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,3-Dichloropropane | EPA 8260B | 1110468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 2,2-Dichloropropane | EPA 8260B | 1110468 | 1.0 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,1-Dichloropropene | EPA 8260B | 1110468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| cis-1,3-Dichloropropene | EPA 8260B | 1110468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| trans-1,3-Dichloropropene | EPA 8260B | 1110468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Ethylbenzene | EPA 8260B | 1110468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Hexachlorobutadiene | EPA 8260B | 1110468 | 1.0 | ND | 1 | 9/14/2011 | 9/14/2011 | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0566

Sampled: 09/09/11
Received: 09/09/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------------|---------------|-----------------|-------------------|---------------|-----------------|
| Sample ID: PUI0566-02 (OU3-9S-S-090911 - Water) - cont. | | | | | | Sampled: 09/09/11 | | |
| Reporting Units: ug/l | | | | | | | | |
| 2-Hexanone | EPA 8260B | 11I0468 | 2.5 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Iodomethane | EPA 8260B | 11I0468 | 2.5 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Isopropylbenzene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| p-Isopropyltoluene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Methylene Chloride | EPA 8260B | 11I0468 | 1.0 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 4-Methyl-2-pentanone (MIBK) | EPA 8260B | 11I0468 | 2.5 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Methyl-tert-butyl Ether (MTBE) | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Naphthalene | EPA 8260B | 11I0468 | 2.5 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| n-Propylbenzene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Styrene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,1,1,2-Tetrachloroethane | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,1,2,2-Tetrachloroethane | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Tetrachloroethene | EPA 8260B | 11I0468 | 0.50 | 1.4 | 1 | 9/14/2011 | 9/14/2011 | |
| Toluene | EPA 8260B | 11I0468 | 0.50 | 0.52 | 1 | 9/14/2011 | 9/14/2011 | |
| 1,2,3-Trichlorobenzene | EPA 8260B | 11I0468 | 1.0 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,2,4-Trichlorobenzene | EPA 8260B | 11I0468 | 1.0 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,1,1-Trichloroethane | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,1,2-Trichloroethane | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Trichloroethene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Trichlorofluoromethane | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,2,3-Trichloropropane | EPA 8260B | 11I0468 | 1.0 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,2,4-Trimethylbenzene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,3,5-Trimethylbenzene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Vinyl Acetate | EPA 8260B | 11I0468 | 1.0 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Vinyl chloride | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Xylenes, Total | EPA 8260B | 11I0468 | 1.5 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Freon 113 | EPA 8260B | 11I0468 | 2.0 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Surrogate: Dibromofluoromethane (80-130%) | | | | | | | | 100 % |
| Surrogate: Toluene-d8 (80-120%) | | | | | | | | 97 % |
| Surrogate: 4-Bromofluorobenzene (80-125%) | | | | | | | | 98 % |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
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Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0566

Sampled: 09/09/11
Received: 09/09/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------------|---------------|-----------------|-------------------|---------------|-----------------|
| Sample ID: PUI0566-03 (OU3-12D-D-090911 - Water) | | | | | | Sampled: 09/09/11 | | |
| Reporting Units: ug/l | | | | | | | | |
| Acetone | EPA 8260B | 11I0468 | 10 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Benzene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Bromobenzene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Bromochloromethane | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Bromodichloromethane | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Bromoform | EPA 8260B | 11I0468 | 1.0 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Bromomethane | EPA 8260B | 11I0468 | 1.0 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 2-Butanone (MEK) | EPA 8260B | 11I0468 | 2.5 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| n-Butylbenzene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| sec-Butylbenzene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| tert-Butylbenzene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Carbon disulfide | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Carbon tetrachloride | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Chlorobenzene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Chloroethane | EPA 8260B | 11I0468 | 1.0 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Chloroform | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Chloromethane | EPA 8260B | 11I0468 | 1.0 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 2-Chlorotoluene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 4-Chlorotoluene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Dibromochloromethane | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,2-Dibromo-3-chloropropane | EPA 8260B | 11I0468 | 2.5 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,2-Dibromoethane (EDB) | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Dibromomethane | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,2-Dichlorobenzene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,3-Dichlorobenzene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,4-Dichlorobenzene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Dichlorodifluoromethane | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,1-Dichloroethane | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,2-Dichloroethane | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,1-Dichloroethene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| cis-1,2-Dichloroethene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| trans-1,2-Dichloroethene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,2-Dichloropropane | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,3-Dichloropropane | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 2,2-Dichloropropane | EPA 8260B | 11I0468 | 1.0 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,1-Dichloropropene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| cis-1,3-Dichloropropene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| trans-1,3-Dichloropropene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Ethylbenzene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Hexachlorobutadiene | EPA 8260B | 11I0468 | 1.0 | ND | 1 | 9/14/2011 | 9/14/2011 | |

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Kylie Emily
Project Manager

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| | | |
|--|---|---|
| Environmental Resources Management Inc.-West 7272 E. Indian School Rd., Ste. 100 Scottsdale, AZ 85251 Attention: Jason Hilker | Project ID: OU3 0096498.030 Report Number: PUI0566 | Sampled: 09/09/11 Received: 09/09/11 |
|--|---|---|

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------------|-------------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0566-03 (OU3-12D-D-090911 - Water) - cont. | | | | Sampled: 09/09/11 | | | | |
| Reporting Units: ug/l | | | | | | | | |
| 2-Hexanone | EPA 8260B | 11I0468 | 2.5 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Iodomethane | EPA 8260B | 11I0468 | 2.5 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Isopropylbenzene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| p-Isopropyltoluene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Methylene Chloride | EPA 8260B | 11I0468 | 1.0 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 4-Methyl-2-pentanone (MIBK) | EPA 8260B | 11I0468 | 2.5 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Methyl-tert-butyl Ether (MTBE) | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Naphthalene | EPA 8260B | 11I0468 | 2.5 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| n-Propylbenzene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Styrene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,1,1,2-Tetrachloroethane | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,1,2,2-Tetrachloroethane | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Tetrachloroethene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Toluene | EPA 8260B | 11I0468 | 0.50 | 1.3 | 1 | 9/14/2011 | 9/14/2011 | |
| 1,2,3-Trichlorobenzene | EPA 8260B | 11I0468 | 1.0 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,2,4-Trichlorobenzene | EPA 8260B | 11I0468 | 1.0 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,1,1-Trichloroethane | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,1,2-Trichloroethane | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Trichloroethene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Trichlorofluoromethane | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,2,3-Trichloropropane | EPA 8260B | 11I0468 | 1.0 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,2,4-Trimethylbenzene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,3,5-Trimethylbenzene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Vinyl Acetate | EPA 8260B | 11I0468 | 1.0 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Vinyl chloride | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Xylenes, Total | EPA 8260B | 11I0468 | 1.5 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Freon 113 | EPA 8260B | 11I0468 | 2.0 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Surrogate: Dibromofluoromethane (80-130%) | | | | 100 % | | | | |
| Surrogate: Toluene-d8 (80-120%) | | | | 98 % | | | | |
| Surrogate: 4-Bromofluorobenzene (80-125%) | | | | 96 % | | | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0566

Sampled: 09/09/11
Received: 09/09/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------------|-------------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0566-04 (OU3-12M-M-090911 - Water) | | | | Sampled: 09/09/11 | | | | |
| Reporting Units: ug/l | | | | | | | | |
| Acetone | EPA 8260B | 11I0468 | 10 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Benzene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Bromobenzene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Bromochloromethane | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Bromodichloromethane | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Bromoform | EPA 8260B | 11I0468 | 1.0 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Bromomethane | EPA 8260B | 11I0468 | 1.0 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 2-Butanone (MEK) | EPA 8260B | 11I0468 | 2.5 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| n-Butylbenzene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| sec-Butylbenzene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| tert-Butylbenzene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Carbon disulfide | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Carbon tetrachloride | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Chlorobenzene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Chloroethane | EPA 8260B | 11I0468 | 1.0 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Chloroform | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Chloromethane | EPA 8260B | 11I0468 | 1.0 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 2-Chlorotoluene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 4-Chlorotoluene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Dibromochloromethane | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,2-Dibromo-3-chloropropane | EPA 8260B | 11I0468 | 2.5 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,2-Dibromoethane (EDB) | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Dibromomethane | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,2-Dichlorobenzene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,3-Dichlorobenzene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,4-Dichlorobenzene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Dichlorodifluoromethane | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,1-Dichloroethane | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,2-Dichloroethane | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,1-Dichloroethene | EPA 8260B | 11I0468 | 0.50 | 1.1 | 1 | 9/14/2011 | 9/14/2011 | |
| cis-1,2-Dichloroethene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| trans-1,2-Dichloroethene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,2-Dichloropropane | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,3-Dichloropropane | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 2,2-Dichloropropane | EPA 8260B | 11I0468 | 1.0 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,1-Dichloropropene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| cis-1,3-Dichloropropene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| trans-1,3-Dichloropropene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Ethylbenzene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Hexachlorobutadiene | EPA 8260B | 11I0468 | 1.0 | ND | 1 | 9/14/2011 | 9/14/2011 | |

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Kylie Emily
Project Manager

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Environmental Resources Management Inc. - West
 7272 E. Indian School Rd., Ste. 100
 Scottsdale, AZ 85251
 Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0566

Sampled: 09/09/11
 Received: 09/09/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------------|-------------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0566-04 (OU3-12M-M-090911 - Water) - cont. | | | | Sampled: 09/09/11 | | | | |
| Reporting Units: ug/l | | | | | | | | |
| 2-Hexanone | EPA 8260B | 11I0468 | 2.5 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Iodomethane | EPA 8260B | 11I0468 | 2.5 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Isopropylbenzene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| p-Isopropyltoluene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Methylene Chloride | EPA 8260B | 11I0468 | 1.0 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 4-Methyl-2-pentanone (MIBK) | EPA 8260B | 11I0468 | 2.5 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Methyl-tert-butyl Ether (MTBE) | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Naphthalene | EPA 8260B | 11I0468 | 2.5 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| n-Propylbenzene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Styrene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,1,1,2-Tetrachloroethane | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,1,2,2-Tetrachloroethane | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Tetrachloroethene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Toluene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,2,3-Trichlorobenzene | EPA 8260B | 11I0468 | 1.0 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,2,4-Trichlorobenzene | EPA 8260B | 11I0468 | 1.0 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,1,1-Trichloroethane | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,1,2-Trichloroethane | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Trichloroethene | EPA 8260B | 11I0468 | 0.50 | 1.6 | 1 | 9/14/2011 | 9/14/2011 | |
| Trichlorofluoromethane | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,2,3-Trichloropropane | EPA 8260B | 11I0468 | 1.0 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,2,4-Trimethylbenzene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,3,5-Trimethylbenzene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Vinyl Acetate | EPA 8260B | 11I0468 | 1.0 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Vinyl chloride | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Xylenes, Total | EPA 8260B | 11I0468 | 1.5 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Freon 113 | EPA 8260B | 11I0468 | 2.0 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Surrogate: Dibromofluoromethane (80-130%) | | | | | | | | 100 % |
| Surrogate: Toluene-d8 (80-120%) | | | | | | | | 99 % |
| Surrogate: 4-Bromofluorobenzene (80-125%) | | | | | | | | 98 % |

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Kylie Emily
 Project Manager

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Environmental Resources Management Inc.-West
 7272 E. Indian School Rd., Ste. 100
 Scottsdale, AZ 85251
 Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0566

Sampled: 09/09/11
 Received: 09/09/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------------|---------------|-----------------|-------------------|---------------|-----------------|
| Sample ID: PUI0566-05 (SC-MW-1D-S-090911 - Water) | | | | | | Sampled: 09/09/11 | | |
| Reporting Units: ug/l | | | | | | | | |
| Acetone | EPA 8260B | 11I0468 | 10 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Benzene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Bromobenzene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Bromochloromethane | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Bromodichloromethane | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Bromoform | EPA 8260B | 11I0468 | 1.0 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Bromomethane | EPA 8260B | 11I0468 | 1.0 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 2-Butanone (MEK) | EPA 8260B | 11I0468 | 2.5 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| n-Butylbenzene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| sec-Butylbenzene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| tert-Butylbenzene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Carbon disulfide | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Carbon tetrachloride | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Chlorobenzene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Chloroethane | EPA 8260B | 11I0468 | 1.0 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Chloroform | EPA 8260B | 11I0468 | 0.50 | 2.2 | 1 | 9/14/2011 | 9/14/2011 | |
| Chloromethane | EPA 8260B | 11I0468 | 1.0 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 2-Chlorotoluene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 4-Chlorotoluene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Dibromochloromethane | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,2-Dibromo-3-chloropropane | EPA 8260B | 11I0468 | 2.5 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,2-Dibromoethane (EDB) | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Dibromomethane | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,2-Dichlorobenzene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,3-Dichlorobenzene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,4-Dichlorobenzene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Dichlorodifluoromethane | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,1-Dichloroethane | EPA 8260B | 11I0468 | 0.50 | 0.81 | 1 | 9/14/2011 | 9/14/2011 | |
| 1,2-Dichloroethane | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,1-Dichloroethene | EPA 8260B | 11I0468 | 0.50 | 0.81 | 1 | 9/14/2011 | 9/14/2011 | |
| cis-1,2-Dichloroethene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| trans-1,2-Dichloroethene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,2-Dichloropropane | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,3-Dichloropropane | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 2,2-Dichloropropane | EPA 8260B | 11I0468 | 1.0 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,1-Dichloropropene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| cis-1,3-Dichloropropene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| trans-1,3-Dichloropropene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Ethylbenzene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Hexachlorobutadiene | EPA 8260B | 11I0468 | 1.0 | ND | 1 | 9/14/2011 | 9/14/2011 | |

TestAmerica Phoenix

Kylie Emily
 Project Manager

Environmental Resources Management Inc.-West
 7272 E. Indian School Rd., Ste. 100
 Scottsdale, AZ 85251
 Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0566

Sampled: 09/09/11
 Received: 09/09/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------------|-------------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0566-05 (SC-MW-1D-S-090911 - Water) - cont. | | | | Sampled: 09/09/11 | | | | |
| Reporting Units: ug/l | | | | | | | | |
| 2-Hexanone | EPA 8260B | 11I0468 | 2.5 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Iodomethane | EPA 8260B | 11I0468 | 2.5 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Isopropylbenzene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| p-Isopropyltoluene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Methylene Chloride | EPA 8260B | 11I0468 | 1.0 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 4-Methyl-2-pentanone (MIBK) | EPA 8260B | 11I0468 | 2.5 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Methyl-tert-butyl Ether (MTBE) | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Naphthalene | EPA 8260B | 11I0468 | 2.5 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| n-Propylbenzene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Styrene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,1,1,2-Tetrachloroethane | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,1,2,2-Tetrachloroethane | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Tetrachloroethene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Toluene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,2,3-Trichlorobenzene | EPA 8260B | 11I0468 | 1.0 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,2,4-Trichlorobenzene | EPA 8260B | 11I0468 | 1.0 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,1,1-Trichloroethane | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,1,2-Trichloroethane | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Trichloroethene | EPA 8260B | 11I0468 | 0.50 | 1.5 | 1 | 9/14/2011 | 9/14/2011 | |
| Trichlorofluoromethane | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,2,3-Trichloropropane | EPA 8260B | 11I0468 | 1.0 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,2,4-Trimethylbenzene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,3,5-Trimethylbenzene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Vinyl Acetate | EPA 8260B | 11I0468 | 1.0 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Vinyl chloride | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Xylenes, Total | EPA 8260B | 11I0468 | 1.5 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Freon 113 | EPA 8260B | 11I0468 | 2.0 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Surrogate: Dibromofluoromethane (80-130%) | | | | 102 % | | | | |
| Surrogate: Toluene-d8 (80-120%) | | | | 97 % | | | | |
| Surrogate: 4-Bromofluorobenzene (80-125%) | | | | 96 % | | | | |

TestAmerica Phoenix

Kylie Emily
 Project Manager

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PUI0566 <Page 12 of 40>

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0566

Sampled: 09/09/11
Received: 09/09/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------------|-------------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0566-06 (GW-EB1-2-090911 - Water) | | | | Sampled: 09/09/11 | | | | |
| Reporting Units: ug/l | | | | | | | | |
| Acetone | EPA 8260B | 1110468 | 10 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Benzene | EPA 8260B | 1110468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Bromobenzene | EPA 8260B | 1110468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Bromochloromethane | EPA 8260B | 1110468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Bromodichloromethane | EPA 8260B | 1110468 | 0.50 | 3.5 | 1 | 9/14/2011 | 9/14/2011 | |
| Bromoform | EPA 8260B | 1110468 | 1.0 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Bromomethane | EPA 8260B | 1110468 | 1.0 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 2-Butanone (MEK) | EPA 8260B | 1110468 | 2.5 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| n-Butylbenzene | EPA 8260B | 1110468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| sec-Butylbenzene | EPA 8260B | 1110468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| tert-Butylbenzene | EPA 8260B | 1110468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Carbon disulfide | EPA 8260B | 1110468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Carbon tetrachloride | EPA 8260B | 1110468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Chlorobenzene | EPA 8260B | 1110468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Chloroethane | EPA 8260B | 1110468 | 1.0 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Chloroform | EPA 8260B | 1110468 | 0.50 | 7.8 | 1 | 9/14/2011 | 9/14/2011 | |
| Chloromethane | EPA 8260B | 1110468 | 1.0 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 2-Chlorotoluene | EPA 8260B | 1110468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 4-Chlorotoluene | EPA 8260B | 1110468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Dibromochloromethane | EPA 8260B | 1110468 | 0.50 | 1.5 | 1 | 9/14/2011 | 9/14/2011 | |
| 1,2-Dibromo-3-chloropropane | EPA 8260B | 1110468 | 2.5 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,2-Dibromoethane (EDB) | EPA 8260B | 1110468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Dibromomethane | EPA 8260B | 1110468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,2-Dichlorobenzene | EPA 8260B | 1110468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,3-Dichlorobenzene | EPA 8260B | 1110468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,4-Dichlorobenzene | EPA 8260B | 1110468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Dichlorodifluoromethane | EPA 8260B | 1110468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,1-Dichloroethane | EPA 8260B | 1110468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,2-Dichloroethane | EPA 8260B | 1110468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,1-Dichloroethene | EPA 8260B | 1110468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| cis-1,2-Dichloroethene | EPA 8260B | 1110468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| trans-1,2-Dichloroethene | EPA 8260B | 1110468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,2-Dichloropropane | EPA 8260B | 1110468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,3-Dichloropropane | EPA 8260B | 1110468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 2,2-Dichloropropane | EPA 8260B | 1110468 | 1.0 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,1-Dichloropropene | EPA 8260B | 1110468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| cis-1,3-Dichloropropene | EPA 8260B | 1110468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| trans-1,3-Dichloropropene | EPA 8260B | 1110468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Ethylbenzene | EPA 8260B | 1110468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Hexachlorobutadiene | EPA 8260B | 1110468 | 1.0 | ND | 1 | 9/14/2011 | 9/14/2011 | |

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Kylie Emily
Project Manager

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| | | |
|--|---|---|
| Environmental Resources Management Inc.-West 7272 E. Indian School Rd., Ste. 100 Scottsdale, AZ 85251 Attention: Jason Hilker | Project ID: OU3 0096498.030 Report Number: PUI0566 | Sampled: 09/09/11 Received: 09/09/11 |
|--|---|---|

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------------|---------------|-----------------|-------------------|---------------|-----------------|
| Sample ID: PUI0566-06 (GW-EB1-2-090911 - Water) - cont. | | | | | | Sampled: 09/09/11 | | |
| Reporting Units: ug/l | | | | | | | | |
| 2-Hexanone | EPA 8260B | 11I0468 | 2.5 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Iodomethane | EPA 8260B | 11I0468 | 2.5 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Isopropylbenzene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| p-Isopropyltoluene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Methylene Chloride | EPA 8260B | 11I0468 | 1.0 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 4-Methyl-2-pentanone (MIBK) | EPA 8260B | 11I0468 | 2.5 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Methyl-tert-butyl Ether (MTBE) | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Naphthalene | EPA 8260B | 11I0468 | 2.5 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| n-Propylbenzene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Styrene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,1,1,2-Tetrachloroethane | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,1,2,2-Tetrachloroethane | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Tetrachloroethene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Toluene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,2,3-Trichlorobenzene | EPA 8260B | 11I0468 | 1.0 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,2,4-Trichlorobenzene | EPA 8260B | 11I0468 | 1.0 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,1,1-Trichloroethane | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,1,2-Trichloroethane | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Trichloroethene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Trichlorofluoromethane | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,2,3-Trichloropropane | EPA 8260B | 11I0468 | 1.0 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,2,4-Trimethylbenzene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| 1,3,5-Trimethylbenzene | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Vinyl Acetate | EPA 8260B | 11I0468 | 1.0 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Vinyl chloride | EPA 8260B | 11I0468 | 0.50 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Xylenes, Total | EPA 8260B | 11I0468 | 1.5 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Freon 113 | EPA 8260B | 11I0468 | 2.0 | ND | 1 | 9/14/2011 | 9/14/2011 | |
| Surrogate: Dibromofluoromethane (80-130%) | | | | | | | | 97 % |
| Surrogate: Toluene-d8 (80-120%) | | | | | | | | 97 % |
| Surrogate: 4-Bromofluorobenzene (80-125%) | | | | | | | | 97 % |

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0566

Sampled: 09/09/11
Received: 09/09/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------------|-------------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0566-07 (GW-L1-2-090911 - Water) | | | | Sampled: 09/09/11 | | | | |
| Reporting Units: ug/l | | | | | | | | |
| Acetone | EPA 8260B | 1110528 | 10 | ND | 1 | 9/15/2011 | 9/15/2011 | |
| Benzene | EPA 8260B | 1110528 | 0.50 | ND | 1 | 9/15/2011 | 9/15/2011 | |
| Bromobenzene | EPA 8260B | 1110528 | 0.50 | ND | 1 | 9/15/2011 | 9/15/2011 | |
| Bromochloromethane | EPA 8260B | 1110528 | 0.50 | ND | 1 | 9/15/2011 | 9/15/2011 | |
| Bromodichloromethane | EPA 8260B | 1110528 | 0.50 | ND | 1 | 9/15/2011 | 9/15/2011 | |
| Bromoform | EPA 8260B | 1110528 | 1.0 | ND | 1 | 9/15/2011 | 9/15/2011 | |
| Bromomethane | EPA 8260B | 1110528 | 1.0 | ND | 1 | 9/15/2011 | 9/15/2011 | |
| 2-Butanone (MEK) | EPA 8260B | 1110528 | 2.5 | ND | 1 | 9/15/2011 | 9/15/2011 | |
| n-Butylbenzene | EPA 8260B | 1110528 | 0.50 | ND | 1 | 9/15/2011 | 9/15/2011 | |
| sec-Butylbenzene | EPA 8260B | 1110528 | 0.50 | ND | 1 | 9/15/2011 | 9/15/2011 | |
| tert-Butylbenzene | EPA 8260B | 1110528 | 0.50 | ND | 1 | 9/15/2011 | 9/15/2011 | |
| Carbon disulfide | EPA 8260B | 1110528 | 1.0 | ND | 1 | 9/15/2011 | 9/15/2011 | |
| Carbon tetrachloride | EPA 8260B | 1110528 | 0.50 | ND | 1 | 9/15/2011 | 9/15/2011 | |
| Chlorobenzene | EPA 8260B | 1110528 | 0.50 | ND | 1 | 9/15/2011 | 9/15/2011 | B1 |
| Chloroethane | EPA 8260B | 1110528 | 1.0 | ND | 1 | 9/15/2011 | 9/15/2011 | |
| Chloroform | EPA 8260B | 1110528 | 0.50 | ND | 1 | 9/15/2011 | 9/15/2011 | |
| Chloromethane | EPA 8260B | 1110528 | 1.0 | ND | 1 | 9/15/2011 | 9/15/2011 | |
| 2-Chlorotoluene | EPA 8260B | 1110528 | 0.50 | ND | 1 | 9/15/2011 | 9/15/2011 | |
| 4-Chlorotoluene | EPA 8260B | 1110528 | 0.50 | ND | 1 | 9/15/2011 | 9/15/2011 | |
| Dibromochloromethane | EPA 8260B | 1110528 | 0.50 | ND | 1 | 9/15/2011 | 9/15/2011 | |
| 1,2-Dibromo-3-chloropropane | EPA 8260B | 1110528 | 2.5 | ND | 1 | 9/15/2011 | 9/15/2011 | |
| 1,2-Dibromoethane (EDB) | EPA 8260B | 1110528 | 0.50 | ND | 1 | 9/15/2011 | 9/15/2011 | |
| Dibromomethane | EPA 8260B | 1110528 | 0.50 | ND | 1 | 9/15/2011 | 9/15/2011 | |
| 1,2-Dichlorobenzene | EPA 8260B | 1110528 | 0.50 | ND | 1 | 9/15/2011 | 9/15/2011 | |
| 1,3-Dichlorobenzene | EPA 8260B | 1110528 | 0.50 | ND | 1 | 9/15/2011 | 9/15/2011 | |
| 1,4-Dichlorobenzene | EPA 8260B | 1110528 | 0.50 | ND | 1 | 9/15/2011 | 9/15/2011 | |
| Dichlorodifluoromethane | EPA 8260B | 1110528 | 0.50 | ND | 1 | 9/15/2011 | 9/15/2011 | N1 |
| 1,1-Dichloroethane | EPA 8260B | 1110528 | 0.50 | ND | 1 | 9/15/2011 | 9/15/2011 | |
| 1,2-Dichloroethane | EPA 8260B | 1110528 | 0.50 | ND | 1 | 9/15/2011 | 9/15/2011 | N1 |
| 1,1-Dichloroethene | EPA 8260B | 1110528 | 0.50 | ND | 1 | 9/15/2011 | 9/15/2011 | |
| cis-1,2-Dichloroethene | EPA 8260B | 1110528 | 0.50 | ND | 1 | 9/15/2011 | 9/15/2011 | N1 |
| trans-1,2-Dichloroethene | EPA 8260B | 1110528 | 0.50 | ND | 1 | 9/15/2011 | 9/15/2011 | |
| 1,2-Dichloropropane | EPA 8260B | 1110528 | 0.50 | ND | 1 | 9/15/2011 | 9/15/2011 | |
| 1,3-Dichloropropane | EPA 8260B | 1110528 | 0.50 | ND | 1 | 9/15/2011 | 9/15/2011 | |
| 2,2-Dichloropropane | EPA 8260B | 1110528 | 1.0 | ND | 1 | 9/15/2011 | 9/15/2011 | |
| 1,1-Dichloropropene | EPA 8260B | 1110528 | 0.50 | ND | 1 | 9/15/2011 | 9/15/2011 | |
| cis-1,3-Dichloropropene | EPA 8260B | 1110528 | 0.50 | ND | 1 | 9/15/2011 | 9/15/2011 | |
| trans-1,3-Dichloropropene | EPA 8260B | 1110528 | 0.50 | ND | 1 | 9/15/2011 | 9/15/2011 | |
| Ethylbenzene | EPA 8260B | 1110528 | 0.50 | ND | 1 | 9/15/2011 | 9/15/2011 | |
| Hexachlorobutadiene | EPA 8260B | 1110528 | 1.0 | ND | 1 | 9/15/2011 | 9/15/2011 | |

TestAmerica Phoenix

Kylie Emily
Project Manager

Environmental Resources Management Inc.-West
 7272 E. Indian School Rd., Ste. 100
 Scottsdale, AZ 85251
 Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0566

Sampled: 09/09/11
 Received: 09/09/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------------|-------------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0566-07 (GW-L1-2-090911 - Water) - cont. | | | | Sampled: 09/09/11 | | | | |
| Reporting Units: ug/l | | | | | | | | |
| 2-Hexanone | EPA 8260B | 11I0528 | 2.5 | ND | 1 | 9/15/2011 | 9/15/2011 | |
| Iodomethane | EPA 8260B | 11I0528 | 2.5 | ND | 1 | 9/15/2011 | 9/15/2011 | L3 |
| Isopropylbenzene | EPA 8260B | 11I0528 | 0.50 | ND | 1 | 9/15/2011 | 9/15/2011 | |
| p-Isopropyltoluene | EPA 8260B | 11I0528 | 0.50 | ND | 1 | 9/15/2011 | 9/15/2011 | |
| Methylene Chloride | EPA 8260B | 11I0528 | 1.0 | ND | 1 | 9/15/2011 | 9/15/2011 | |
| 4-Methyl-2-pentanone (MIBK) | EPA 8260B | 11I0528 | 2.5 | ND | 1 | 9/15/2011 | 9/15/2011 | |
| Methyl-tert-butyl Ether (MTBE) | EPA 8260B | 11I0528 | 0.50 | ND | 1 | 9/15/2011 | 9/15/2011 | |
| Naphthalene | EPA 8260B | 11I0528 | 2.5 | ND | 1 | 9/15/2011 | 9/15/2011 | |
| n-Propylbenzene | EPA 8260B | 11I0528 | 0.50 | ND | 1 | 9/15/2011 | 9/15/2011 | |
| Styrene | EPA 8260B | 11I0528 | 0.50 | ND | 1 | 9/15/2011 | 9/15/2011 | |
| 1,1,1,2-Tetrachloroethane | EPA 8260B | 11I0528 | 0.50 | ND | 1 | 9/15/2011 | 9/15/2011 | |
| 1,1,2,2-Tetrachloroethane | EPA 8260B | 11I0528 | 0.50 | ND | 1 | 9/15/2011 | 9/15/2011 | |
| Tetrachloroethene | EPA 8260B | 11I0528 | 0.50 | ND | 1 | 9/15/2011 | 9/15/2011 | |
| Toluene | EPA 8260B | 11I0528 | 0.50 | ND | 1 | 9/15/2011 | 9/15/2011 | |
| 1,2,3-Trichlorobenzene | EPA 8260B | 11I0528 | 1.0 | ND | 1 | 9/15/2011 | 9/15/2011 | |
| 1,2,4-Trichlorobenzene | EPA 8260B | 11I0528 | 1.0 | ND | 1 | 9/15/2011 | 9/15/2011 | |
| 1,1,1-Trichloroethane | EPA 8260B | 11I0528 | 0.50 | ND | 1 | 9/15/2011 | 9/15/2011 | |
| 1,1,2-Trichloroethane | EPA 8260B | 11I0528 | 0.50 | ND | 1 | 9/15/2011 | 9/15/2011 | |
| Trichloroethene | EPA 8260B | 11I0528 | 0.50 | ND | 1 | 9/15/2011 | 9/15/2011 | |
| Trichlorofluoromethane | EPA 8260B | 11I0528 | 0.50 | ND | 1 | 9/15/2011 | 9/15/2011 | |
| 1,2,3-Trichloropropane | EPA 8260B | 11I0528 | 1.0 | ND | 1 | 9/15/2011 | 9/15/2011 | |
| 1,2,4-Trimethylbenzene | EPA 8260B | 11I0528 | 0.50 | ND | 1 | 9/15/2011 | 9/15/2011 | |
| 1,3,5-Trimethylbenzene | EPA 8260B | 11I0528 | 0.50 | ND | 1 | 9/15/2011 | 9/15/2011 | |
| Vinyl Acetate | EPA 8260B | 11I0528 | 1.0 | ND | 1 | 9/15/2011 | 9/15/2011 | |
| Vinyl chloride | EPA 8260B | 11I0528 | 0.50 | ND | 1 | 9/15/2011 | 9/15/2011 | |
| Xylenes, Total | EPA 8260B | 11I0528 | 1.5 | ND | 1 | 9/15/2011 | 9/15/2011 | |
| Freon 113 | EPA 8260B | 11I0528 | 2.0 | ND | 1 | 9/15/2011 | 9/15/2011 | |
| Surrogate: Dibromofluoromethane (80-130%) | | | | | | | | 110 % |
| Surrogate: Toluene-d8 (80-120%) | | | | | | | | 97 % |
| Surrogate: 4-Bromofluorobenzene (80-125%) | | | | | | | | 90 % |

TestAmerica Phoenix

Kylie Emily
 Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0566

Sampled: 09/09/11
Received: 09/09/11

1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------------|-------------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0566-01 (OU3-9M2-M-090911 - Water) | | | | Sampled: 09/09/11 | | | | |
| Reporting Units: ug/l | | | | | | | | |
| 1,4-Dioxane | EPA 8270C | 11I0480 | 1.0 | ND | 1 | 9/14/2011 | 9/15/2011 | |
| Surrogate: 1,4-Dioxane-d8 (38.6-88.3%) | | | | 74 % | | | | |
| Surrogate: Nitrobenzene-d5 (59.9-120%) | | | | 97 % | | | | |
| Sample ID: PUI0566-02 (OU3-9S-S-090911 - Water) | | | | Sampled: 09/09/11 | | | | |
| Reporting Units: ug/l | | | | | | | | |
| 1,4-Dioxane | EPA 8270C | 11I0480 | 1.0 | ND | 1 | 9/14/2011 | 9/15/2011 | |
| Surrogate: 1,4-Dioxane-d8 (38.6-88.3%) | | | | 73 % | | | | |
| Surrogate: Nitrobenzene-d5 (59.9-120%) | | | | 91 % | | | | |
| Sample ID: PUI0566-03 (OU3-12D-D-090911 - Water) | | | | Sampled: 09/09/11 | | | | |
| Reporting Units: ug/l | | | | | | | | |
| 1,4-Dioxane | EPA 8270C | 11I0480 | 1.0 | ND | 1 | 9/14/2011 | 9/15/2011 | |
| Surrogate: 1,4-Dioxane-d8 (38.6-88.3%) | | | | 73 % | | | | |
| Surrogate: Nitrobenzene-d5 (59.9-120%) | | | | 93 % | | | | |
| Sample ID: PUI0566-04 (OU3-12M-M-090911 - Water) | | | | Sampled: 09/09/11 | | | | |
| Reporting Units: ug/l | | | | | | | | |
| 1,4-Dioxane | EPA 8270C | 11I0480 | 1.0 | ND | 1 | 9/14/2011 | 9/15/2011 | |
| Surrogate: 1,4-Dioxane-d8 (38.6-88.3%) | | | | 65 % | | | | |
| Surrogate: Nitrobenzene-d5 (59.9-120%) | | | | 88 % | | | | |
| Sample ID: PUI0566-05 (SC-MW-1D-S-090911 - Water) | | | | Sampled: 09/09/11 | | | | |
| Reporting Units: ug/l | | | | | | | | |
| 1,4-Dioxane | EPA 8270C | 11I0480 | 1.0 | ND | 1 | 9/14/2011 | 9/15/2011 | |
| Surrogate: 1,4-Dioxane-d8 (38.6-88.3%) | | | | 72 % | | | | |
| Surrogate: Nitrobenzene-d5 (59.9-120%) | | | | 93 % | | | | |
| Sample ID: PUI0566-06 (GW-EB1-2-090911 - Water) | | | | Sampled: 09/09/11 | | | | |
| Reporting Units: ug/l | | | | | | | | |
| 1,4-Dioxane | EPA 8270C | 11I0480 | 1.0 | ND | 1 | 9/14/2011 | 9/15/2011 | |
| Surrogate: 1,4-Dioxane-d8 (38.6-88.3%) | | | | 65 % | | | | |
| Surrogate: Nitrobenzene-d5 (59.9-120%) | | | | 88 % | | | | |

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PUI0566 <Page 17 of 40>

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030
Report Number: PUI0566

Sampled: 09/09/11
Received: 09/09/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------|-----------|-------------|---------|-----------|-----------------|
| Batch: 1110468 Extracted: 09/14/11 | | | | | | | | | | |
| Blank Analyzed: 09/14/2011 (1110468-BLK1) | | | | | | | | | | |
| Acetone | ND | 10 | ug/l | | | | | | | |
| Benzene | ND | 0.50 | ug/l | | | | | | | |
| Bromobenzene | ND | 0.50 | ug/l | | | | | | | |
| Bromochloromethane | ND | 0.50 | ug/l | | | | | | | |
| Bromodichloromethane | ND | 0.50 | ug/l | | | | | | | |
| Bromoform | ND | 1.0 | ug/l | | | | | | | |
| Bromomethane | ND | 1.0 | ug/l | | | | | | | |
| 2-Butanone (MEK) | ND | 2.5 | ug/l | | | | | | | |
| n-Butylbenzene | ND | 0.50 | ug/l | | | | | | | |
| sec-Butylbenzene | ND | 0.50 | ug/l | | | | | | | |
| tert-Butylbenzene | ND | 0.50 | ug/l | | | | | | | |
| Carbon disulfide | ND | 0.50 | ug/l | | | | | | | |
| Carbon tetrachloride | ND | 0.50 | ug/l | | | | | | | |
| Chlorobenzene | ND | 0.50 | ug/l | | | | | | | |
| Chloroethane | ND | 1.0 | ug/l | | | | | | | |
| Chloroform | ND | 0.50 | ug/l | | | | | | | |
| Chloromethane | ND | 1.0 | ug/l | | | | | | | |
| 2-Chlorotoluene | ND | 0.50 | ug/l | | | | | | | |
| 4-Chlorotoluene | ND | 0.50 | ug/l | | | | | | | |
| Dibromochloromethane | ND | 0.50 | ug/l | | | | | | | |
| 1,2-Dibromo-3-chloropropane | ND | 2.5 | ug/l | | | | | | | |
| 1,2-Dibromoethane (EDB) | ND | 0.50 | ug/l | | | | | | | |
| Dibromomethane | ND | 0.50 | ug/l | | | | | | | |
| 1,2-Dichlorobenzene | ND | 0.50 | ug/l | | | | | | | |
| 1,3-Dichlorobenzene | ND | 0.50 | ug/l | | | | | | | |
| 1,4-Dichlorobenzene | ND | 0.50 | ug/l | | | | | | | |
| Dichlorodifluoromethane | ND | 0.50 | ug/l | | | | | | | |
| 1,1-Dichloroethane | ND | 0.50 | ug/l | | | | | | | |
| 1,2-Dichloroethane | ND | 0.50 | ug/l | | | | | | | |
| 1,1-Dichloroethene | ND | 0.50 | ug/l | | | | | | | |
| cis-1,2-Dichloroethene | ND | 0.50 | ug/l | | | | | | | |
| trans-1,2-Dichloroethene | ND | 0.50 | ug/l | | | | | | | |
| 1,2-Dichloropropane | ND | 0.50 | ug/l | | | | | | | |
| 1,3-Dichloropropane | ND | 0.50 | ug/l | | | | | | | |
| 2,2-Dichloropropane | ND | 1.0 | ug/l | | | | | | | |

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PUI0566 <Page 18 of 40>

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030
Report Number: PUI0566

Sampled: 09/09/11
Received: 09/09/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | RPD RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------|-----------|---------|-----------|-----------------|
| Batch: 1110468 Extracted: 09/14/11 | | | | | | | | | |
| Blank Analyzed: 09/14/2011 (1110468-BLK1) | | | | | | | | | |
| 1,1-Dichloropropene | ND | 0.50 | ug/l | | | | | | |
| cis-1,3-Dichloropropene | ND | 0.50 | ug/l | | | | | | |
| trans-1,3-Dichloropropene | ND | 0.50 | ug/l | | | | | | |
| Ethylbenzene | ND | 0.50 | ug/l | | | | | | |
| Hexachlorobutadiene | ND | 1.0 | ug/l | | | | | | |
| 2-Hexanone | ND | 2.5 | ug/l | | | | | | |
| Iodomethane | ND | 2.5 | ug/l | | | | | | |
| Isopropylbenzene | ND | 0.50 | ug/l | | | | | | |
| p-Isopropyltoluene | ND | 0.50 | ug/l | | | | | | |
| Methylene Chloride | ND | 1.0 | ug/l | | | | | | |
| 4-Methyl-2-pentanone (MIBK) | ND | 2.5 | ug/l | | | | | | |
| Methyl-tert-butyl Ether (MTBE) | ND | 0.50 | ug/l | | | | | | |
| Naphthalene | ND | 2.5 | ug/l | | | | | | |
| n-Propylbenzene | ND | 0.50 | ug/l | | | | | | |
| Styrene | ND | 0.50 | ug/l | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 0.50 | ug/l | | | | | | |
| 1,1,2,2-Tetrachloroethane | ND | 0.50 | ug/l | | | | | | |
| Tetrachloroethene | ND | 0.50 | ug/l | | | | | | |
| Toluene | ND | 0.50 | ug/l | | | | | | |
| 1,2,3-Trichlorobenzene | ND | 1.0 | ug/l | | | | | | |
| 1,2,4-Trichlorobenzene | ND | 1.0 | ug/l | | | | | | |
| 1,1,1-Trichloroethane | ND | 0.50 | ug/l | | | | | | |
| 1,1,2-Trichloroethane | ND | 0.50 | ug/l | | | | | | |
| Trichloroethene | ND | 0.50 | ug/l | | | | | | |
| Trichlorofluoromethane | ND | 0.50 | ug/l | | | | | | |
| 1,2,3-Trichloropropane | ND | 1.0 | ug/l | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 0.50 | ug/l | | | | | | |
| 1,3,5-Trimethylbenzene | ND | 0.50 | ug/l | | | | | | |
| Vinyl Acetate | ND | 1.0 | ug/l | | | | | | |
| Vinyl chloride | ND | 0.50 | ug/l | | | | | | |
| Xylenes, Total | ND | 1.5 | ug/l | | | | | | |
| Freon 113 | ND | 2.0 | ug/l | | | | | | |
| Surrogate: Dibromofluoromethane | 24.1 | | ug/l | 25.0 | | 96 | | 80-130 | |
| Surrogate: Toluene-d8 | 23.9 | | ug/l | 25.0 | | 96 | | 80-120 | |
| Surrogate: 4-Bromofluorobenzene | 23.9 | | ug/l | 25.0 | | 96 | | 80-125 | |

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Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0566

Sampled: 09/09/11
Received: 09/09/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-------|-------------|---------------|-----------|--------|-----|-----------|-----------------|
| Batch: 1110468 Extracted: 09/14/11 | | | | | | | | | | |
| LCS Analyzed: 09/14/2011 (1110468-BS1) | | | | | | | | | | |
| Acetone | 30.4 | 10 | ug/l | 25.0 | | 122 | 10-150 | | | |
| Benzene | 24.1 | 0.50 | ug/l | 25.0 | | 96 | 80-120 | | | |
| Bromobenzene | 25.3 | 0.50 | ug/l | 25.0 | | 101 | 80-120 | | | |
| Bromochloromethane | 23.9 | 0.50 | ug/l | 25.0 | | 96 | 80-125 | | | |
| Bromodichloromethane | 23.8 | 0.50 | ug/l | 25.0 | | 95 | 80-120 | | | |
| Bromoform | 25.4 | 1.0 | ug/l | 25.0 | | 102 | 75-130 | | | |
| Bromomethane | 24.0 | 1.0 | ug/l | 25.0 | | 96 | 55-150 | | | |
| 2-Butanone (MEK) | 25.4 | 2.5 | ug/l | 25.0 | | 101 | 40-150 | | | |
| n-Butylbenzene | 25.4 | 0.50 | ug/l | 25.0 | | 102 | 80-130 | | | |
| sec-Butylbenzene | 24.6 | 0.50 | ug/l | 25.0 | | 98 | 80-125 | | | |
| tert-Butylbenzene | 25.2 | 0.50 | ug/l | 25.0 | | 101 | 80-120 | | | |
| Carbon disulfide | 25.0 | 0.50 | ug/l | 25.0 | | 100 | 70-140 | | | |
| Carbon tetrachloride | 23.5 | 0.50 | ug/l | 25.0 | | 94 | 75-130 | | | |
| Chlorobenzene | 24.8 | 0.50 | ug/l | 25.0 | | 99 | 80-120 | | | |
| Chloroethane | 24.8 | 1.0 | ug/l | 25.0 | | 99 | 70-130 | | | |
| Chloroform | 23.8 | 0.50 | ug/l | 25.0 | | 95 | 75-120 | | | |
| Chloromethane | 20.4 | 1.0 | ug/l | 25.0 | | 82 | 60-140 | | | |
| 2-Chlorotoluene | 24.5 | 0.50 | ug/l | 25.0 | | 98 | 80-120 | | | |
| 4-Chlorotoluene | 25.2 | 0.50 | ug/l | 25.0 | | 101 | 80-120 | | | |
| Dibromochloromethane | 24.5 | 0.50 | ug/l | 25.0 | | 98 | 80-120 | | | |
| 1,2-Dibromo-3-chloropropane | 26.2 | 2.5 | ug/l | 25.0 | | 105 | 50-150 | | | |
| 1,2-Dibromoethane (EDB) | 25.2 | 0.50 | ug/l | 25.0 | | 101 | 80-120 | | | |
| Dibromomethane | 24.1 | 0.50 | ug/l | 25.0 | | 96 | 75-120 | | | |
| 1,2-Dichlorobenzene | 25.7 | 0.50 | ug/l | 25.0 | | 103 | 80-120 | | | |
| 1,3-Dichlorobenzene | 24.7 | 0.50 | ug/l | 25.0 | | 99 | 80-120 | | | |
| 1,4-Dichlorobenzene | 25.6 | 0.50 | ug/l | 25.0 | | 102 | 80-120 | | | |
| Dichlorodifluoromethane | 17.2 | 0.50 | ug/l | 25.0 | | 69 | 60-150 | | | |
| 1,1-Dichloroethane | 24.2 | 0.50 | ug/l | 25.0 | | 97 | 70-125 | | | |
| 1,2-Dichloroethane | 24.5 | 0.50 | ug/l | 25.0 | | 98 | 75-130 | | | |
| 1,1-Dichloroethene | 24.5 | 0.50 | ug/l | 25.0 | | 98 | 75-125 | | | |
| cis-1,2-Dichloroethene | 22.6 | 0.50 | ug/l | 25.0 | | 90 | 80-120 | | | |
| trans-1,2-Dichloroethene | 23.8 | 0.50 | ug/l | 25.0 | | 95 | 80-120 | | | |
| 1,2-Dichloropropane | 24.0 | 0.50 | ug/l | 25.0 | | 96 | 80-120 | | | |
| 1,3-Dichloropropane | 24.5 | 0.50 | ug/l | 25.0 | | 98 | 80-120 | | | |
| 2,2-Dichloropropane | 21.2 | 1.0 | ug/l | 25.0 | | 85 | 75-130 | | | |

TestAmerica Phoenix

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030
Report Number: PUI0566

Sampled: 09/09/11
Received: 09/09/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-----------------|
| Batch: 1110468 Extracted: 09/14/11 | | | | | | | | | | |
| LCS Analyzed: 09/14/2011 (1110468-BS1) | | | | | | | | | | |
| 1,1-Dichloropropene | 23.2 | 0.50 | ug/l | 25.0 | | 93 | 75-120 | | | |
| cis-1,3-Dichloropropene | 24.6 | 0.50 | ug/l | 25.0 | | 98 | 80-120 | | | |
| trans-1,3-Dichloropropene | 24.6 | 0.50 | ug/l | 25.0 | | 98 | 80-125 | | | |
| Ethylbenzene | 24.2 | 0.50 | ug/l | 25.0 | | 97 | 80-120 | | | |
| Hexachlorobutadiene | 24.6 | 1.0 | ug/l | 25.0 | | 98 | 40-150 | | | |
| 2-Hexanone | 25.9 | 2.5 | ug/l | 25.0 | | 104 | 20-150 | | | |
| Iodomethane | 27.2 | 2.5 | ug/l | 25.0 | | 109 | 80-130 | | | |
| Isopropylbenzene | 26.2 | 0.50 | ug/l | 25.0 | | 105 | 80-130 | | | |
| p-Isopropyltoluene | 25.4 | 0.50 | ug/l | 25.0 | | 101 | 80-130 | | | |
| Methylene Chloride | 23.0 | 1.0 | ug/l | 25.0 | | 92 | 70-120 | | | |
| 4-Methyl-2-pentanone (MIBK) | 23.6 | 2.5 | ug/l | 25.0 | | 94 | 60-135 | | | |
| Methyl-tert-butyl Ether (MTBE) | 22.7 | 0.50 | ug/l | 25.0 | | 91 | 70-130 | | | |
| Naphthalene | 28.9 | 2.5 | ug/l | 25.0 | | 116 | 40-150 | | | |
| n-Propylbenzene | 25.5 | 0.50 | ug/l | 25.0 | | 102 | 75-130 | | | |
| Styrene | 23.0 | 0.50 | ug/l | 25.0 | | 92 | 80-120 | | | |
| 1,1,1,2-Tetrachloroethane | 24.4 | 0.50 | ug/l | 25.0 | | 98 | 75-125 | | | |
| 1,1,2,2-Tetrachloroethane | 26.6 | 0.50 | ug/l | 25.0 | | 106 | 80-120 | | | |
| Tetrachloroethene | 24.0 | 0.50 | ug/l | 25.0 | | 96 | 70-130 | | | |
| Toluene | 23.9 | 0.50 | ug/l | 25.0 | | 96 | 80-120 | | | |
| 1,2,3-Trichlorobenzene | 27.9 | 1.0 | ug/l | 25.0 | | 112 | 55-150 | | | |
| 1,2,4-Trichlorobenzene | 27.2 | 1.0 | ug/l | 25.0 | | 109 | 50-150 | | | |
| 1,1,1-Trichloroethane | 23.9 | 0.50 | ug/l | 25.0 | | 96 | 75-125 | | | |
| 1,1,2-Trichloroethane | 24.6 | 0.50 | ug/l | 25.0 | | 99 | 80-120 | | | |
| Trichloroethene | 23.8 | 0.50 | ug/l | 25.0 | | 95 | 80-120 | | | |
| Trichlorofluoromethane | 26.4 | 0.50 | ug/l | 25.0 | | 106 | 70-150 | | | |
| 1,2,3-Trichloropropane | 26.8 | 1.0 | ug/l | 25.0 | | 107 | 70-130 | | | |
| 1,2,4-Trimethylbenzene | 24.2 | 0.50 | ug/l | 25.0 | | 97 | 80-120 | | | |
| 1,3,5-Trimethylbenzene | 25.1 | 0.50 | ug/l | 25.0 | | 100 | 80-130 | | | |
| Vinyl Acetate | 24.2 | 1.0 | ug/l | 25.0 | | 97 | 40-150 | | | |
| Vinyl chloride | 21.7 | 0.50 | ug/l | 25.0 | | 87 | 70-130 | | | |
| Xylenes, Total | 45.1 | 1.5 | ug/l | 50.0 | | 90 | 60-140 | | | |
| Freon 113 | 23.4 | 2.0 | ug/l | 25.0 | | 94 | 60-140 | | | |
| Surrogate: Dibromofluoromethane | 23.7 | | ug/l | 25.0 | | 95 | 80-130 | | | |
| Surrogate: Toluene-d8 | 24.3 | | ug/l | 25.0 | | 97 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 23.2 | | ug/l | 25.0 | | 93 | 80-125 | | | |

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Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0566

Sampled: 09/09/11
Received: 09/09/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------|------|-------------|------|-----------|-----------------|
| Batch: 1110468 Extracted: 09/14/11 | | | | | | | | | | |
| LCS Dup Analyzed: 09/14/2011 (1110468-BSD1) | | | | | | | | | | |
| Acetone | 31.7 | 10 | ug/l | 25.0 | | 127 | 10-150 | 4 | 35 | |
| Benzene | 24.2 | 0.50 | ug/l | 25.0 | | 97 | 80-120 | 0.6 | 15 | |
| Bromobenzene | 25.3 | 0.50 | ug/l | 25.0 | | 101 | 80-120 | 0.04 | 15 | |
| Bromochloromethane | 24.6 | 0.50 | ug/l | 25.0 | | 98 | 80-125 | 3 | 15 | |
| Bromodichloromethane | 24.0 | 0.50 | ug/l | 25.0 | | 96 | 80-120 | 0.5 | 15 | |
| Bromoform | 25.6 | 1.0 | ug/l | 25.0 | | 102 | 75-130 | 0.5 | 20 | |
| Bromomethane | 24.6 | 1.0 | ug/l | 25.0 | | 98 | 55-150 | 2 | 20 | |
| 2-Butanone (MEK) | 26.4 | 2.5 | ug/l | 25.0 | | 106 | 40-150 | 4 | 35 | |
| n-Butylbenzene | 25.5 | 0.50 | ug/l | 25.0 | | 102 | 80-130 | 0.4 | 15 | |
| sec-Butylbenzene | 24.4 | 0.50 | ug/l | 25.0 | | 98 | 80-125 | 0.7 | 15 | |
| tert-Butylbenzene | 25.3 | 0.50 | ug/l | 25.0 | | 101 | 80-120 | 0.5 | 15 | |
| Carbon disulfide | 26.3 | 0.50 | ug/l | 25.0 | | 105 | 70-140 | 5 | 15 | |
| Carbon tetrachloride | 23.8 | 0.50 | ug/l | 25.0 | | 95 | 75-130 | 1 | 20 | |
| Chlorobenzene | 25.7 | 0.50 | ug/l | 25.0 | | 103 | 80-120 | 4 | 15 | |
| Chloroethane | 25.1 | 1.0 | ug/l | 25.0 | | 101 | 70-130 | 1 | 15 | |
| Chloroform | 24.4 | 0.50 | ug/l | 25.0 | | 98 | 75-120 | 2 | 15 | |
| Chloromethane | 20.7 | 1.0 | ug/l | 25.0 | | 83 | 60-140 | 1 | 20 | |
| 2-Chlorotoluene | 24.6 | 0.50 | ug/l | 25.0 | | 98 | 80-120 | 0.3 | 15 | |
| 4-Chlorotoluene | 25.2 | 0.50 | ug/l | 25.0 | | 101 | 80-120 | 0.3 | 15 | |
| Dibromochloromethane | 25.6 | 0.50 | ug/l | 25.0 | | 102 | 80-120 | 4 | 15 | |
| 1,2-Dibromo-3-chloropropane | 26.4 | 2.5 | ug/l | 25.0 | | 106 | 50-150 | 0.9 | 35 | |
| 1,2-Dibromoethane (EDB) | 25.4 | 0.50 | ug/l | 25.0 | | 102 | 80-120 | 0.9 | 15 | |
| Dibromomethane | 23.8 | 0.50 | ug/l | 25.0 | | 95 | 75-120 | 1 | 15 | |
| 1,2-Dichlorobenzene | 25.9 | 0.50 | ug/l | 25.0 | | 104 | 80-120 | 0.8 | 15 | |
| 1,3-Dichlorobenzene | 25.0 | 0.50 | ug/l | 25.0 | | 100 | 80-120 | 1 | 15 | |
| 1,4-Dichlorobenzene | 25.6 | 0.50 | ug/l | 25.0 | | 102 | 80-120 | 0.2 | 15 | |
| Dichlorodifluoromethane | 17.0 | 0.50 | ug/l | 25.0 | | 68 | 60-150 | 0.6 | 30 | |
| 1,1-Dichloroethane | 24.6 | 0.50 | ug/l | 25.0 | | 98 | 70-125 | 2 | 15 | |
| 1,2-Dichloroethane | 24.9 | 0.50 | ug/l | 25.0 | | 100 | 75-130 | 2 | 15 | |
| 1,1-Dichloroethene | 24.2 | 0.50 | ug/l | 25.0 | | 97 | 75-125 | 1 | 20 | |
| cis-1,2-Dichloroethene | 23.0 | 0.50 | ug/l | 25.0 | | 92 | 80-120 | 2 | 15 | |
| trans-1,2-Dichloroethene | 24.5 | 0.50 | ug/l | 25.0 | | 98 | 80-120 | 3 | 15 | |
| 1,2-Dichloropropane | 24.1 | 0.50 | ug/l | 25.0 | | 96 | 80-120 | 0.2 | 15 | |
| 1,3-Dichloropropane | 25.1 | 0.50 | ug/l | 25.0 | | 100 | 80-120 | 2 | 15 | |
| 2,2-Dichloropropane | 21.7 | 1.0 | ug/l | 25.0 | | 87 | 75-130 | 2 | 15 | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0566

Sampled: 09/09/11
Received: 09/09/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------|------|-------------|------|-----------|-----------------|
| Batch: 1110468 Extracted: 09/14/11 | | | | | | | | | | |
| LCS Dup Analyzed: 09/14/2011 (1110468-BSD1) | | | | | | | | | | |
| 1,1-Dichloropropene | 23.0 | 0.50 | ug/l | 25.0 | | 92 | 75-120 | 0.8 | 15 | |
| cis-1,3-Dichloropropene | 24.7 | 0.50 | ug/l | 25.0 | | 99 | 80-120 | 0.6 | 15 | |
| trans-1,3-Dichloropropene | 24.8 | 0.50 | ug/l | 25.0 | | 99 | 80-125 | 0.9 | 15 | |
| Ethylbenzene | 24.8 | 0.50 | ug/l | 25.0 | | 99 | 80-120 | 3 | 15 | |
| Hexachlorobutadiene | 24.6 | 1.0 | ug/l | 25.0 | | 98 | 40-150 | 0.08 | 35 | |
| 2-Hexanone | 27.3 | 2.5 | ug/l | 25.0 | | 109 | 20-150 | 5 | 35 | |
| Iodomethane | 27.6 | 2.5 | ug/l | 25.0 | | 111 | 80-130 | 2 | 10 | |
| Isopropylbenzene | 26.3 | 0.50 | ug/l | 25.0 | | 105 | 80-130 | 0.5 | 15 | |
| p-Isopropyltoluene | 25.3 | 0.50 | ug/l | 25.0 | | 101 | 80-130 | 0.2 | 15 | |
| Methylene Chloride | 23.4 | 1.0 | ug/l | 25.0 | | 93 | 70-120 | 2 | 15 | |
| 4-Methyl-2-pentanone (MIBK) | 23.6 | 2.5 | ug/l | 25.0 | | 94 | 60-135 | 0.08 | 25 | |
| Methyl-tert-butyl Ether (MTBE) | 23.3 | 0.50 | ug/l | 25.0 | | 93 | 70-130 | 3 | 20 | |
| Naphthalene | 29.4 | 2.5 | ug/l | 25.0 | | 118 | 40-150 | 2 | 30 | |
| n-Propylbenzene | 25.6 | 0.50 | ug/l | 25.0 | | 103 | 75-130 | 0.7 | 15 | |
| Styrene | 23.3 | 0.50 | ug/l | 25.0 | | 93 | 80-120 | 1 | 15 | |
| 1,1,1,2-Tetrachloroethane | 25.4 | 0.50 | ug/l | 25.0 | | 101 | 75-125 | 4 | 15 | |
| 1,1,2,2-Tetrachloroethane | 26.4 | 0.50 | ug/l | 25.0 | | 105 | 80-120 | 0.9 | 20 | |
| Tetrachloroethene | 24.9 | 0.50 | ug/l | 25.0 | | 100 | 70-130 | 4 | 20 | |
| Toluene | 24.3 | 0.50 | ug/l | 25.0 | | 97 | 80-120 | 1 | 15 | |
| 1,2,3-Trichlorobenzene | 28.1 | 1.0 | ug/l | 25.0 | | 113 | 55-150 | 0.7 | 35 | |
| 1,2,4-Trichlorobenzene | 27.4 | 1.0 | ug/l | 25.0 | | 109 | 50-150 | 0.5 | 30 | |
| 1,1,1-Trichloroethane | 24.7 | 0.50 | ug/l | 25.0 | | 99 | 75-125 | 3 | 15 | |
| 1,1,2-Trichloroethane | 24.5 | 0.50 | ug/l | 25.0 | | 98 | 80-120 | 0.7 | 15 | |
| Trichloroethene | 23.7 | 0.50 | ug/l | 25.0 | | 95 | 80-120 | 0.5 | 15 | |
| Trichlorofluoromethane | 26.3 | 0.50 | ug/l | 25.0 | | 105 | 70-150 | 0.5 | 25 | |
| 1,2,3-Trichloropropane | 26.3 | 1.0 | ug/l | 25.0 | | 105 | 70-130 | 2 | 20 | |
| 1,2,4-Trimethylbenzene | 24.2 | 0.50 | ug/l | 25.0 | | 97 | 80-120 | 0.2 | 15 | |
| 1,3,5-Trimethylbenzene | 24.8 | 0.50 | ug/l | 25.0 | | 99 | 80-130 | 1 | 15 | |
| Vinyl Acetate | 23.1 | 1.0 | ug/l | 25.0 | | 92 | 40-150 | 5 | 25 | |
| Vinyl chloride | 22.3 | 0.50 | ug/l | 25.0 | | 89 | 70-130 | 3 | 20 | |
| Xylenes, Total | 46.6 | 1.5 | ug/l | 50.0 | | 93 | 60-140 | 3 | 15 | |
| Freon 113 | 23.9 | 2.0 | ug/l | 25.0 | | 96 | 60-140 | 2 | 15 | |
| Surrogate: Dibromofluoromethane | 23.8 | | ug/l | 25.0 | | 95 | 80-130 | | | |
| Surrogate: Toluene-d8 | 23.9 | | ug/l | 25.0 | | 96 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 23.5 | | ug/l | 25.0 | | 94 | 80-125 | | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0566

Sampled: 09/09/11
Received: 09/09/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------------------|------|-------------|-----|-----------|-----------------|
| Batch: 1110468 Extracted: 09/14/11 | | | | | | | | | | |
| Matrix Spike Analyzed: 09/14/2011 (1110468-MS1) | | | | | Source: PUI0566-01 | | | | | |
| Acetone | 14.0 | 10 | ug/l | 25.0 | ND | 56 | 10-150 | | | |
| Benzene | 24.7 | 0.50 | ug/l | 25.0 | ND | 99 | 70-125 | | | |
| Bromobenzene | 25.0 | 0.50 | ug/l | 25.0 | ND | 100 | 75-120 | | | |
| Bromochloromethane | 23.4 | 0.50 | ug/l | 25.0 | ND | 94 | 75-130 | | | |
| Bromodichloromethane | 23.2 | 0.50 | ug/l | 25.0 | ND | 93 | 75-125 | | | |
| Bromoform | 23.8 | 1.0 | ug/l | 25.0 | ND | 95 | 65-125 | | | |
| Bromomethane | 24.1 | 1.0 | ug/l | 25.0 | ND | 96 | 45-150 | | | |
| 2-Butanone (MEK) | 18.5 | 2.5 | ug/l | 25.0 | ND | 74 | 15-150 | | | |
| n-Butylbenzene | 27.2 | 0.50 | ug/l | 25.0 | ND | 109 | 70-130 | | | |
| sec-Butylbenzene | 26.3 | 0.50 | ug/l | 25.0 | ND | 105 | 70-125 | | | |
| tert-Butylbenzene | 26.3 | 0.50 | ug/l | 25.0 | ND | 105 | 70-125 | | | |
| Carbon disulfide | 25.0 | 0.50 | ug/l | 25.0 | ND | 100 | 65-145 | | | |
| Carbon tetrachloride | 24.8 | 0.50 | ug/l | 25.0 | ND | 99 | 65-135 | | | |
| Chlorobenzene | 25.9 | 0.50 | ug/l | 25.0 | ND | 104 | 75-120 | | | |
| Chloroethane | 26.4 | 1.0 | ug/l | 25.0 | ND | 105 | 65-140 | | | |
| Chloroform | 25.5 | 0.50 | ug/l | 25.0 | 1.82 | 95 | 70-130 | | | |
| Chloromethane | 20.3 | 1.0 | ug/l | 25.0 | ND | 81 | 55-145 | | | |
| 2-Chlorotoluene | 25.4 | 0.50 | ug/l | 25.0 | ND | 101 | 70-125 | | | |
| 4-Chlorotoluene | 25.7 | 0.50 | ug/l | 25.0 | ND | 103 | 70-125 | | | |
| Dibromochloromethane | 23.7 | 0.50 | ug/l | 25.0 | ND | 95 | 70-130 | | | |
| 1,2-Dibromo-3-chloropropane | 23.8 | 2.5 | ug/l | 25.0 | ND | 95 | 50-150 | | | |
| 1,2-Dibromoethane (EDB) | 23.8 | 0.50 | ug/l | 25.0 | ND | 95 | 70-125 | | | |
| Dibromomethane | 22.6 | 0.50 | ug/l | 25.0 | ND | 91 | 70-120 | | | |
| 1,2-Dichlorobenzene | 25.2 | 0.50 | ug/l | 25.0 | ND | 101 | 75-120 | | | |
| 1,3-Dichlorobenzene | 25.3 | 0.50 | ug/l | 25.0 | ND | 101 | 75-120 | | | |
| 1,4-Dichlorobenzene | 25.4 | 0.50 | ug/l | 25.0 | ND | 102 | 70-125 | | | |
| Dichlorodifluoromethane | 21.0 | 0.50 | ug/l | 25.0 | ND | 84 | 60-150 | | | |
| 1,1-Dichloroethane | 24.8 | 0.50 | ug/l | 25.0 | ND | 99 | 70-130 | | | |
| 1,2-Dichloroethane | 23.4 | 0.50 | ug/l | 25.0 | ND | 94 | 65-140 | | | |
| 1,1-Dichloroethene | 26.2 | 0.50 | ug/l | 25.0 | ND | 105 | 70-130 | | | |
| cis-1,2-Dichloroethene | 23.3 | 0.50 | ug/l | 25.0 | 0.240 | 92 | 70-125 | | | |
| trans-1,2-Dichloroethene | 25.5 | 0.50 | ug/l | 25.0 | ND | 102 | 75-125 | | | |
| 1,2-Dichloropropane | 23.8 | 0.50 | ug/l | 25.0 | ND | 95 | 75-125 | | | |
| 1,3-Dichloropropane | 23.8 | 0.50 | ug/l | 25.0 | ND | 95 | 70-120 | | | |
| 2,2-Dichloropropane | 23.5 | 1.0 | ug/l | 25.0 | ND | 94 | 65-140 | | | |

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Kylie Emily
Project Manager

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PUI0566 <Page 24 of 40>

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0566

Sampled: 09/09/11

Received: 09/09/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | Limit | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------------------|-----------|--------|-----|-----------|-----------------|
| Batch: 1110468 Extracted: 09/14/11 | | | | | | | | | | |
| Matrix Spike Analyzed: 09/14/2011 (1110468-MS1) | | | | | Source: PUI0566-01 | | | | | |
| 1,1-Dichloropropene | 25.0 | 0.50 | ug/l | 25.0 | ND | 100 | 65-130 | | | |
| cis-1,3-Dichloropropene | 21.6 | 0.50 | ug/l | 25.0 | ND | 86 | 75-130 | | | |
| trans-1,3-Dichloropropene | 21.4 | 0.50 | ug/l | 25.0 | ND | 85 | 70-130 | | | |
| Ethylbenzene | 25.5 | 0.50 | ug/l | 25.0 | ND | 102 | 70-125 | | | |
| Hexachlorobutadiene | 26.4 | 1.0 | ug/l | 25.0 | ND | 106 | 40-150 | | | |
| 2-Hexanone | 19.1 | 2.5 | ug/l | 25.0 | ND | 77 | 20-150 | | | |
| Iodomethane | 28.0 | 2.5 | ug/l | 25.0 | ND | 112 | 60-150 | | | |
| Isopropylbenzene | 27.4 | 0.50 | ug/l | 25.0 | ND | 110 | 75-130 | | | |
| p-Isopropyltoluene | 26.5 | 0.50 | ug/l | 25.0 | ND | 106 | 70-130 | | | |
| Methylene Chloride | 22.7 | 1.0 | ug/l | 25.0 | ND | 91 | 65-130 | | | |
| 4-Methyl-2-pentanone (MIBK) | 21.0 | 2.5 | ug/l | 25.0 | ND | 84 | 55-135 | | | |
| Methyl-tert-butyl Ether (MTBE) | 21.4 | 0.50 | ug/l | 25.0 | ND | 86 | 65-140 | | | |
| Naphthalene | 27.0 | 2.5 | ug/l | 25.0 | ND | 108 | 40-150 | | | |
| n-Propylbenzene | 27.1 | 0.50 | ug/l | 25.0 | ND | 108 | 70-130 | | | |
| Styrene | 21.7 | 0.50 | ug/l | 25.0 | ND | 87 | 55-135 | | | |
| 1,1,1,2-Tetrachloroethane | 24.7 | 0.50 | ug/l | 25.0 | ND | 99 | 70-125 | | | |
| 1,1,2,2-Tetrachloroethane | 25.0 | 0.50 | ug/l | 25.0 | ND | 100 | 70-125 | | | |
| Tetrachloroethene | 29.2 | 0.50 | ug/l | 25.0 | 3.29 | 104 | 65-130 | | | |
| Toluene | 25.4 | 0.50 | ug/l | 25.0 | 0.530 | 99 | 70-125 | | | |
| 1,2,3-Trichlorobenzene | 26.8 | 1.0 | ug/l | 25.0 | ND | 107 | 50-150 | | | |
| 1,2,4-Trichlorobenzene | 26.9 | 1.0 | ug/l | 25.0 | ND | 107 | 50-150 | | | |
| 1,1,1-Trichloroethane | 25.7 | 0.50 | ug/l | 25.0 | ND | 103 | 70-130 | | | |
| 1,1,2-Trichloroethane | 23.4 | 0.50 | ug/l | 25.0 | ND | 94 | 75-125 | | | |
| Trichloroethene | 26.2 | 0.50 | ug/l | 25.0 | 1.78 | 98 | 70-125 | | | |
| Trichlorofluoromethane | 29.0 | 0.50 | ug/l | 25.0 | ND | 116 | 65-150 | | | |
| 1,2,3-Trichloropropane | 24.0 | 1.0 | ug/l | 25.0 | ND | 96 | 70-130 | | | |
| 1,2,4-Trimethylbenzene | 24.4 | 0.50 | ug/l | 25.0 | ND | 97 | 70-125 | | | |
| 1,3,5-Trimethylbenzene | 25.4 | 0.50 | ug/l | 25.0 | ND | 102 | 75-130 | | | |
| Vinyl Acetate | 24.8 | 1.0 | ug/l | 25.0 | ND | 99 | 40-150 | | | |
| Vinyl chloride | 24.4 | 0.50 | ug/l | 25.0 | ND | 98 | 60-140 | | | |
| Xylenes, Total | 47.2 | 1.5 | ug/l | 50.0 | ND | 94 | 75-120 | | | |
| Freon 113 | 27.2 | 2.0 | ug/l | 25.0 | ND | 109 | 65-140 | | | |
| Surrogate: Dibromofluoromethane | 23.8 | | ug/l | 25.0 | | 95 | 80-130 | | | |
| Surrogate: Toluene-d8 | 24.4 | | ug/l | 25.0 | | 98 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 23.4 | | ug/l | 25.0 | | 94 | 80-125 | | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0566

Sampled: 09/09/11
Received: 09/09/11

METHOD BLANK/OC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-------|-------------|---------------------------|-----------|-------------|-----|-----------|-----------------|
| Batch: 1110468 Extracted: 09/14/11 | | | | | | | | | | |
| Matrix Spike Dup Analyzed: 09/14/2011 (1110468-MSD1) | | | | | Source: PUI0566-01 | | | | | |
| Acetone | 14.5 | 10 | ug/l | 25.0 | ND | 58 | 10-150 | 4 | 35 | |
| Benzene | 23.4 | 0.50 | ug/l | 25.0 | ND | 94 | 70-125 | 5 | 25 | |
| Bromobenzene | 24.1 | 0.50 | ug/l | 25.0 | ND | 96 | 75-120 | 4 | 20 | |
| Bromochloromethane | 23.3 | 0.50 | ug/l | 25.0 | ND | 93 | 75-130 | 0.5 | 20 | |
| Bromodichloromethane | 22.6 | 0.50 | ug/l | 25.0 | ND | 90 | 75-125 | 3 | 20 | |
| Bromoform | 21.6 | 1.0 | ug/l | 25.0 | ND | 87 | 65-125 | 10 | 25 | |
| Bromomethane | 24.1 | 1.0 | ug/l | 25.0 | ND | 97 | 45-150 | 0.2 | 35 | |
| 2-Butanone (MEK) | 19.2 | 2.5 | ug/l | 25.0 | ND | 77 | 15-150 | 3 | 30 | |
| n-Butylbenzene | 25.8 | 0.50 | ug/l | 25.0 | ND | 103 | 70-130 | 5 | 30 | |
| sec-Butylbenzene | 24.8 | 0.50 | ug/l | 25.0 | ND | 99 | 70-125 | 6 | 30 | |
| tert-Butylbenzene | 25.3 | 0.50 | ug/l | 25.0 | ND | 101 | 70-125 | 4 | 25 | |
| Carbon disulfide | 17.0 | 0.50 | ug/l | 25.0 | ND | 68 | 65-145 | 38 | 25 | RI |
| Carbon tetrachloride | 23.8 | 0.50 | ug/l | 25.0 | ND | 95 | 65-135 | 4 | 25 | |
| Chlorobenzene | 25.0 | 0.50 | ug/l | 25.0 | ND | 100 | 75-120 | 4 | 20 | |
| Chloroethane | 24.9 | 1.0 | ug/l | 25.0 | ND | 100 | 65-140 | 6 | 25 | |
| Chloroform | 24.6 | 0.50 | ug/l | 25.0 | 1.82 | 91 | 70-130 | 4 | 20 | |
| Chloromethane | 20.2 | 1.0 | ug/l | 25.0 | ND | 81 | 55-145 | 0.6 | 35 | |
| 2-Chlorotoluene | 24.0 | 0.50 | ug/l | 25.0 | ND | 96 | 70-125 | 5 | 25 | |
| 4-Chlorotoluene | 24.4 | 0.50 | ug/l | 25.0 | ND | 98 | 70-125 | 5 | 25 | |
| Dibromochloromethane | 22.8 | 0.50 | ug/l | 25.0 | ND | 91 | 70-130 | 4 | 20 | |
| 1,2-Dibromo-3-chloropropane | 23.7 | 2.5 | ug/l | 25.0 | ND | 95 | 50-150 | 0.7 | 30 | |
| 1,2-Dibromoethane (EDB) | 24.1 | 0.50 | ug/l | 25.0 | ND | 96 | 70-125 | 1 | 20 | |
| Dibromomethane | 22.6 | 0.50 | ug/l | 25.0 | ND | 90 | 70-120 | 0.3 | 20 | |
| 1,2-Dichlorobenzene | 24.6 | 0.50 | ug/l | 25.0 | ND | 99 | 75-120 | 2 | 20 | |
| 1,3-Dichlorobenzene | 23.9 | 0.50 | ug/l | 25.0 | ND | 96 | 75-120 | 6 | 25 | |
| 1,4-Dichlorobenzene | 24.5 | 0.50 | ug/l | 25.0 | ND | 98 | 70-125 | 4 | 20 | |
| Dichlorodifluoromethane | 20.1 | 0.50 | ug/l | 25.0 | ND | 80 | 60-150 | 4 | 30 | |
| 1,1-Dichloroethane | 23.6 | 0.50 | ug/l | 25.0 | ND | 94 | 70-130 | 5 | 20 | |
| 1,2-Dichloroethane | 23.0 | 0.50 | ug/l | 25.0 | ND | 92 | 65-140 | 2 | 20 | |
| 1,1-Dichloroethene | 25.4 | 0.50 | ug/l | 25.0 | ND | 101 | 70-130 | 3 | 25 | |
| cis-1,2-Dichloroethene | 22.4 | 0.50 | ug/l | 25.0 | 0.240 | 89 | 70-125 | 4 | 20 | |
| trans-1,2-Dichloroethene | 24.2 | 0.50 | ug/l | 25.0 | ND | 97 | 75-125 | 5 | 25 | |
| 1,2-Dichloropropane | 23.1 | 0.50 | ug/l | 25.0 | ND | 92 | 75-125 | 3 | 20 | |
| 1,3-Dichloropropane | 23.5 | 0.50 | ug/l | 25.0 | ND | 94 | 70-120 | 1 | 20 | |
| 2,2-Dichloropropane | 22.0 | 1.0 | ug/l | 25.0 | ND | 88 | 65-140 | 7 | 25 | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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PUI0566 <Page 26 of 40>

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0566

Sampled: 09/09/11
Received: 09/09/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-------|-------------|---------------------------|------|-------------|------|-----------|-----------------|
| Batch: 1110468 Extracted: 09/14/11 | | | | | | | | | | |
| Matrix Spike Dup Analyzed: 09/14/2011 (1110468-MSD1) | | | | | Source: PUI0566-01 | | | | | |
| 1,1-Dichloropropene | 23.8 | 0.50 | ug/l | 25.0 | ND | 95 | 65-130 | 5 | 25 | |
| cis-1,3-Dichloropropene | 20.8 | 0.50 | ug/l | 25.0 | ND | 83 | 75-130 | 4 | 20 | |
| trans-1,3-Dichloropropene | 20.6 | 0.50 | ug/l | 25.0 | ND | 83 | 70-130 | 3 | 20 | |
| Ethylbenzene | 24.6 | 0.50 | ug/l | 25.0 | ND | 99 | 70-125 | 3 | 25 | |
| Hexachlorobutadiene | 25.3 | 1.0 | ug/l | 25.0 | ND | 101 | 40-150 | 4 | 30 | |
| 2-Hexanone | 19.2 | 2.5 | ug/l | 25.0 | ND | 77 | 20-150 | 0.3 | 30 | |
| Iodomethane | 27.1 | 2.5 | ug/l | 25.0 | ND | 108 | 60-150 | 3 | 30 | |
| Isopropylbenzene | 26.0 | 0.50 | ug/l | 25.0 | ND | 104 | 75-130 | 5 | 25 | |
| p-Isopropyltoluene | 25.3 | 0.50 | ug/l | 25.0 | ND | 101 | 70-130 | 5 | 30 | |
| Methylene Chloride | 22.5 | 1.0 | ug/l | 25.0 | ND | 90 | 65-130 | 0.9 | 20 | |
| 4-Methyl-2-pentanone (MIBK) | 21.0 | 2.5 | ug/l | 25.0 | ND | 84 | 55-135 | 0.05 | 25 | |
| Methyl-tert-butyl Ether (MTBE) | 21.6 | 0.50 | ug/l | 25.0 | ND | 87 | 65-140 | 1 | 25 | |
| Naphthalene | 27.3 | 2.5 | ug/l | 25.0 | ND | 109 | 40-150 | 1 | 30 | |
| n-Propylbenzene | 25.8 | 0.50 | ug/l | 25.0 | ND | 103 | 70-130 | 5 | 30 | |
| Styrene | 19.1 | 0.50 | ug/l | 25.0 | ND | 76 | 55-135 | 13 | 35 | |
| 1,1,1,2-Tetrachloroethane | 24.1 | 0.50 | ug/l | 25.0 | ND | 97 | 70-125 | 2 | 20 | |
| 1,1,2,2-Tetrachloroethane | 24.9 | 0.50 | ug/l | 25.0 | ND | 100 | 70-125 | 0.4 | 25 | |
| Tetrachloroethene | 28.5 | 0.50 | ug/l | 25.0 | 3.29 | 101 | 65-130 | 3 | 25 | |
| Toluene | 24.3 | 0.50 | ug/l | 25.0 | 0.530 | 95 | 70-125 | 4 | 20 | |
| 1,2,3-Trichlorobenzene | 26.4 | 1.0 | ug/l | 25.0 | ND | 106 | 50-150 | 1 | 35 | |
| 1,2,4-Trichlorobenzene | 26.2 | 1.0 | ug/l | 25.0 | ND | 105 | 50-150 | 3 | 25 | |
| 1,1,1-Trichloroethane | 24.5 | 0.50 | ug/l | 25.0 | ND | 98 | 70-130 | 5 | 25 | |
| 1,1,2-Trichloroethane | 23.2 | 0.50 | ug/l | 25.0 | ND | 93 | 75-125 | 0.6 | 20 | |
| Trichloroethene | 25.2 | 0.50 | ug/l | 25.0 | 1.78 | 94 | 70-125 | 4 | 25 | |
| Trichlorofluoromethane | 28.8 | 0.50 | ug/l | 25.0 | ND | 115 | 65-150 | 0.9 | 25 | |
| 1,2,3-Trichloropropane | 24.3 | 1.0 | ug/l | 25.0 | ND | 97 | 70-130 | 1 | 25 | |
| 1,2,4-Trimethylbenzene | 23.0 | 0.50 | ug/l | 25.0 | ND | 92 | 70-125 | 6 | 30 | |
| 1,3,5-Trimethylbenzene | 24.3 | 0.50 | ug/l | 25.0 | ND | 97 | 75-130 | 5 | 25 | |
| Vinyl Acetate | 20.2 | 1.0 | ug/l | 25.0 | ND | 81 | 40-150 | 21 | 30 | |
| Vinyl chloride | 23.4 | 0.50 | ug/l | 25.0 | ND | 94 | 60-140 | 4 | 25 | |
| Xylenes, Total | 45.7 | 1.5 | ug/l | 50.0 | ND | 91 | 75-120 | 3 | 15 | |
| Freon 113 | 27.0 | 2.0 | ug/l | 25.0 | ND | 108 | 65-140 | 0.7 | 20 | |
| Surrogate: Dibromofluoromethane | 23.9 | | ug/l | 25.0 | | 96 | 80-130 | | | |
| Surrogate: Toluene-d8 | 24.2 | | ug/l | 25.0 | | 97 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 23.4 | | ug/l | 25.0 | | 94 | 80-125 | | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0566

Sampled: 09/09/11

Received: 09/09/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | Limits RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------|-----------|------------|-----------|-----------------|
| Batch: 1110528 Extracted: 09/15/11 | | | | | | | | | |
| Blank Analyzed: 09/15/2011 (1110528-BLK1) | | | | | | | | | |
| Acetone | ND | 10 | ug/l | | | | | | |
| Benzene | ND | 0.50 | ug/l | | | | | | |
| Bromobenzene | ND | 0.50 | ug/l | | | | | | |
| Bromochloromethane | ND | 0.50 | ug/l | | | | | | |
| Bromodichloromethane | ND | 0.50 | ug/l | | | | | | |
| Bromoform | ND | 1.0 | ug/l | | | | | | |
| Bromomethane | ND | 1.0 | ug/l | | | | | | |
| 2-Butanone (MEK) | ND | 2.5 | ug/l | | | | | | |
| n-Butylbenzene | ND | 0.50 | ug/l | | | | | | |
| sec-Butylbenzene | ND | 0.50 | ug/l | | | | | | |
| tert-Butylbenzene | ND | 0.50 | ug/l | | | | | | |
| Carbon disulfide | ND | 0.50 | ug/l | | | | | | |
| Carbon tetrachloride | ND | 0.50 | ug/l | | | | | | |
| Chlorobenzene | 2.19 | 0.50 | ug/l | | | | | | BI |
| Chloroethane | ND | 1.0 | ug/l | | | | | | |
| Chloroform | ND | 0.50 | ug/l | | | | | | |
| Chloromethane | ND | 1.0 | ug/l | | | | | | |
| 2-Chlorotoluene | ND | 0.50 | ug/l | | | | | | |
| 4-Chlorotoluene | ND | 0.50 | ug/l | | | | | | |
| Dibromochloromethane | ND | 0.50 | ug/l | | | | | | |
| 1,2-Dibromo-3-chloropropane | ND | 2.5 | ug/l | | | | | | |
| 1,2-Dibromoethane (EDB) | ND | 0.50 | ug/l | | | | | | |
| Dibromomethane | ND | 0.50 | ug/l | | | | | | |
| 1,2-Dichlorobenzene | ND | 0.50 | ug/l | | | | | | |
| 1,3-Dichlorobenzene | ND | 0.50 | ug/l | | | | | | |
| 1,4-Dichlorobenzene | ND | 0.50 | ug/l | | | | | | |
| Dichlorodifluoromethane | ND | 0.50 | ug/l | | | | | | |
| 1,1-Dichloroethane | ND | 0.50 | ug/l | | | | | | |
| 1,2-Dichloroethane | ND | 0.50 | ug/l | | | | | | |
| 1,1-Dichloroethene | ND | 0.50 | ug/l | | | | | | |
| cis-1,2-Dichloroethene | ND | 0.50 | ug/l | | | | | | |
| trans-1,2-Dichloroethene | ND | 0.50 | ug/l | | | | | | |
| 1,2-Dichloropropane | ND | 0.50 | ug/l | | | | | | |
| 1,3-Dichloropropane | ND | 0.50 | ug/l | | | | | | |
| 2,2-Dichloropropane | ND | 1.0 | ug/l | | | | | | |

TestAmerica Phoenix

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0566

Sampled: 09/09/11

Received: 09/09/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------|-----------|-------------|---------|-----------|-----------------|
| Batch: 11I0528 Extracted: 09/15/11 | | | | | | | | | | |
| Blank Analyzed: 09/15/2011 (11I0528-BLK1) | | | | | | | | | | |
| 1,1-Dichloropropene | ND | 0.50 | ug/l | | | | | | | |
| cis-1,3-Dichloropropene | ND | 0.50 | ug/l | | | | | | | |
| trans-1,3-Dichloropropene | ND | 0.50 | ug/l | | | | | | | |
| Ethylbenzene | ND | 0.50 | ug/l | | | | | | | |
| Hexachlorobutadiene | ND | 1.0 | ug/l | | | | | | | |
| 2-Hexanone | ND | 2.5 | ug/l | | | | | | | |
| Iodomethane | ND | 2.5 | ug/l | | | | | | | |
| Isopropylbenzene | ND | 0.50 | ug/l | | | | | | | |
| p-Isopropyltoluene | ND | 0.50 | ug/l | | | | | | | |
| Methylene Chloride | ND | 1.0 | ug/l | | | | | | | |
| 4-Methyl-2-pentanone (MIBK) | ND | 2.5 | ug/l | | | | | | | |
| Methyl-tert-butyl Ether (MTBE) | ND | 0.50 | ug/l | | | | | | | |
| Naphthalene | ND | 2.5 | ug/l | | | | | | | |
| n-Propylbenzene | ND | 0.50 | ug/l | | | | | | | |
| Styrene | ND | 0.50 | ug/l | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 0.50 | ug/l | | | | | | | |
| 1,1,2,2-Tetrachloroethane | ND | 0.50 | ug/l | | | | | | | |
| Tetrachloroethene | ND | 0.50 | ug/l | | | | | | | |
| Toluene | ND | 0.50 | ug/l | | | | | | | |
| 1,2,3-Trichlorobenzene | ND | 1.0 | ug/l | | | | | | | |
| 1,2,4-Trichlorobenzene | ND | 1.0 | ug/l | | | | | | | |
| 1,1,1-Trichloroethane | ND | 0.50 | ug/l | | | | | | | |
| 1,1,2-Trichloroethane | ND | 0.50 | ug/l | | | | | | | |
| Trichloroethene | ND | 0.50 | ug/l | | | | | | | |
| Trichlorofluoromethane | ND | 0.50 | ug/l | | | | | | | |
| 1,2,3-Trichloropropane | ND | 1.0 | ug/l | | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 0.50 | ug/l | | | | | | | |
| 1,3,5-Trimethylbenzene | ND | 0.50 | ug/l | | | | | | | |
| Vinyl Acetate | ND | 1.0 | ug/l | | | | | | | |
| Vinyl chloride | ND | 0.50 | ug/l | | | | | | | |
| Xylenes, Total | ND | 1.5 | ug/l | | | | | | | |
| Freon 113 | ND | 2.0 | ug/l | | | | | | | |
| Surrogate: Dibromofluoromethane | 24.3 | | ug/l | 25.0 | | 97 | 80-130 | | | |
| Surrogate: Toluene-d8 | 25.7 | | ug/l | 25.0 | | 103 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 23.3 | | ug/l | 25.0 | | 93 | 80-125 | | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0566

Sampled: 09/09/11
Received: 09/09/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-------|-------------|---------------|-----------|-------------|-----|-----------|-----------------|
| Batch: 1110528 Extracted: 09/15/11 | | | | | | | | | | |
| LCS Analyzed: 09/15/2011 (1110528-BS1) | | | | | | | | | | |
| Acetone | 32.0 | 10 | ug/l | 25.0 | | 128 | 10-150 | | | |
| Benzene | 23.5 | 0.50 | ug/l | 25.0 | | 94 | 80-120 | | | |
| Bromobenzene | 26.4 | 0.50 | ug/l | 25.0 | | 106 | 80-120 | | | |
| Bromochloromethane | 21.8 | 0.50 | ug/l | 25.0 | | 87 | 80-125 | | | |
| Bromodichloromethane | 20.1 | 0.50 | ug/l | 25.0 | | 80 | 80-120 | | | |
| Bromoform | 25.3 | 1.0 | ug/l | 25.0 | | 101 | 75-130 | | | |
| Bromomethane | 23.7 | 1.0 | ug/l | 25.0 | | 95 | 55-150 | | | |
| 2-Butanone (MEK) | 24.6 | 2.5 | ug/l | 25.0 | | 98 | 40-150 | | | |
| n-Butylbenzene | 26.1 | 0.50 | ug/l | 25.0 | | 104 | 80-130 | | | |
| sec-Butylbenzene | 27.0 | 0.50 | ug/l | 25.0 | | 108 | 80-125 | | | |
| tert-Butylbenzene | 26.2 | 0.50 | ug/l | 25.0 | | 105 | 80-120 | | | |
| Carbon disulfide | 22.9 | 0.50 | ug/l | 25.0 | | 92 | 70-140 | | | |
| Carbon tetrachloride | 23.6 | 0.50 | ug/l | 25.0 | | 94 | 75-130 | | | |
| Chlorobenzene | 27.3 | 0.50 | ug/l | 25.0 | | 109 | 80-120 | | | |
| Chloroethane | 20.1 | 1.0 | ug/l | 25.0 | | 80 | 70-130 | | | |
| Chloroform | 20.6 | 0.50 | ug/l | 25.0 | | 83 | 75-120 | | | |
| Chloromethane | 16.9 | 1.0 | ug/l | 25.0 | | 68 | 60-140 | | | |
| 2-Chlorotoluene | 24.5 | 0.50 | ug/l | 25.0 | | 98 | 80-120 | | | |
| 4-Chlorotoluene | 24.4 | 0.50 | ug/l | 25.0 | | 98 | 80-120 | | | |
| Dibromochloromethane | 24.4 | 0.50 | ug/l | 25.0 | | 98 | 80-120 | | | |
| 1,2-Dibromo-3-chloropropane | 22.2 | 2.5 | ug/l | 25.0 | | 89 | 50-150 | | | |
| 1,2-Dibromoethane (EDB) | 23.5 | 0.50 | ug/l | 25.0 | | 94 | 80-120 | | | |
| Dibromomethane | 21.8 | 0.50 | ug/l | 25.0 | | 87 | 75-120 | | | |
| 1,2-Dichlorobenzene | 27.0 | 0.50 | ug/l | 25.0 | | 108 | 80-120 | | | |
| 1,3-Dichlorobenzene | 27.2 | 0.50 | ug/l | 25.0 | | 109 | 80-120 | | | |
| 1,4-Dichlorobenzene | 26.3 | 0.50 | ug/l | 25.0 | | 105 | 80-120 | | | |
| Dichlorodifluoromethane | 15.7 | 0.50 | ug/l | 25.0 | | 63 | 60-150 | | | |
| 1,1-Dichloroethane | 21.0 | 0.50 | ug/l | 25.0 | | 84 | 70-125 | | | |
| 1,2-Dichloroethane | 18.6 | 0.50 | ug/l | 25.0 | | 74 | 75-130 | | | NI |
| 1,1-Dichloroethene | 21.2 | 0.50 | ug/l | 25.0 | | 85 | 75-125 | | | |
| cis-1,2-Dichloroethene | 19.6 | 0.50 | ug/l | 25.0 | | 79 | 80-120 | | | NI |
| trans-1,2-Dichloroethene | 21.2 | 0.50 | ug/l | 25.0 | | 85 | 80-120 | | | |
| 1,2-Dichloropropane | 21.2 | 0.50 | ug/l | 25.0 | | 85 | 80-120 | | | |
| 1,3-Dichloropropane | 24.2 | 0.50 | ug/l | 25.0 | | 97 | 80-120 | | | |
| 2,2-Dichloropropane | 19.7 | 1.0 | ug/l | 25.0 | | 79 | 75-130 | | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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PUI0566 <Page 30 of 40>

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0566

Sampled: 09/09/11
Received: 09/09/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-----------------|
| Batch: 1110528 Extracted: 09/15/11 | | | | | | | | | | |
| LCS Analyzed: 09/15/2011 (1110528-BS1) | | | | | | | | | | |
| 1,1-Dichloropropene | 21.0 | 0.50 | ug/l | 25.0 | | 84 | 75-120 | | | |
| cis-1,3-Dichloropropene | 20.8 | 0.50 | ug/l | 25.0 | | 83 | 80-120 | | | |
| trans-1,3-Dichloropropene | 20.6 | 0.50 | ug/l | 25.0 | | 82 | 80-125 | | | |
| Ethylbenzene | 26.8 | 0.50 | ug/l | 25.0 | | 107 | 80-120 | | | |
| Hexachlorobutadiene | 30.2 | 1.0 | ug/l | 25.0 | | 121 | 40-150 | | | |
| 2-Hexanone | 23.5 | 2.5 | ug/l | 25.0 | | 94 | 20-150 | | | |
| Iodomethane | 32.9 | 2.5 | ug/l | 25.0 | | 131 | 80-130 | | | L3 |
| Isopropylbenzene | 26.9 | 0.50 | ug/l | 25.0 | | 108 | 80-130 | | | |
| p-Isopropyltoluene | 26.8 | 0.50 | ug/l | 25.0 | | 107 | 80-130 | | | |
| Methylene Chloride | 21.5 | 1.0 | ug/l | 25.0 | | 86 | 70-120 | | | |
| 4-Methyl-2-pentanone (MIBK) | 19.0 | 2.5 | ug/l | 25.0 | | 76 | 60-135 | | | |
| Methyl-tert-butyl Ether (MTBE) | 17.8 | 0.50 | ug/l | 25.0 | | 71 | 70-130 | | | |
| Naphthalene | 24.3 | 2.5 | ug/l | 25.0 | | 97 | 40-150 | | | |
| n-Propylbenzene | 25.8 | 0.50 | ug/l | 25.0 | | 103 | 75-130 | | | |
| Styrene | 24.5 | 0.50 | ug/l | 25.0 | | 98 | 80-120 | | | |
| 1,1,1,2-Tetrachloroethane | 27.4 | 0.50 | ug/l | 25.0 | | 110 | 75-125 | | | |
| 1,1,1,2,2-Tetrachloroethane | 23.8 | 0.50 | ug/l | 25.0 | | 95 | 80-120 | | | |
| Tetrachloroethene | 29.7 | 0.50 | ug/l | 25.0 | | 119 | 70-130 | | | |
| Toluene | 24.7 | 0.50 | ug/l | 25.0 | | 99 | 80-120 | | | |
| 1,2,3-Trichlorobenzene | 28.1 | 1.0 | ug/l | 25.0 | | 113 | 55-150 | | | |
| 1,2,4-Trichlorobenzene | 27.8 | 1.0 | ug/l | 25.0 | | 111 | 50-150 | | | |
| 1,1,1-Trichloroethane | 21.8 | 0.50 | ug/l | 25.0 | | 87 | 75-125 | | | |
| 1,1,2-Trichloroethane | 21.7 | 0.50 | ug/l | 25.0 | | 87 | 80-120 | | | |
| Trichloroethene | 23.6 | 0.50 | ug/l | 25.0 | | 95 | 80-120 | | | |
| Trichlorofluoromethane | 21.4 | 0.50 | ug/l | 25.0 | | 86 | 70-150 | | | |
| 1,2,3-Trichloropropane | 22.2 | 1.0 | ug/l | 25.0 | | 89 | 70-130 | | | |
| 1,2,4-Trimethylbenzene | 25.4 | 0.50 | ug/l | 25.0 | | 102 | 80-120 | | | |
| 1,3,5-Trimethylbenzene | 25.8 | 0.50 | ug/l | 25.0 | | 103 | 80-130 | | | |
| Vinyl Acetate | 18.4 | 1.0 | ug/l | 25.0 | | 74 | 40-150 | | | |
| Vinyl chloride | 20.6 | 0.50 | ug/l | 25.0 | | 83 | 70-130 | | | |
| Xylenes, Total | 53.5 | 1.5 | ug/l | 50.0 | | 107 | 60-140 | | | |
| Freon 113 | 24.2 | 2.0 | ug/l | 25.0 | | 97 | 60-140 | | | |
| Surrogate: Dibromofluoromethane | 22.8 | | ug/l | 25.0 | | 91 | 80-130 | | | |
| Surrogate: Toluene-d8 | 25.3 | | ug/l | 25.0 | | 101 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 24.3 | | ug/l | 25.0 | | 97 | 80-125 | | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030
Report Number: PUI0566

Sampled: 09/09/11
Received: 09/09/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------|-----------|-------------|-----|-----------|-----------------|
| Batch: 1110528 Extracted: 09/15/11 | | | | | | | | | | |
| LCS Dup Analyzed: 09/15/2011 (1110528-BSD1) | | | | | | | | | | |
| Acetone | 24.7 | 10 | ug/l | 25.0 | | 99 | 10-150 | 26 | 35 | |
| Benzene | 22.9 | 0.50 | ug/l | 25.0 | | 92 | 80-120 | 3 | 15 | |
| Bromobenzene | 25.6 | 0.50 | ug/l | 25.0 | | 102 | 80-120 | 3 | 15 | |
| Bromochloromethane | 24.4 | 0.50 | ug/l | 25.0 | | 98 | 80-125 | 11 | 15 | |
| Bromodichloromethane | 22.1 | 0.50 | ug/l | 25.0 | | 88 | 80-120 | 9 | 15 | |
| Bromoform | 25.7 | 1.0 | ug/l | 25.0 | | 103 | 75-130 | 2 | 20 | |
| Bromomethane | 24.2 | 1.0 | ug/l | 25.0 | | 97 | 55-150 | 2 | 20 | |
| 2-Butanone (MEK) | 22.4 | 2.5 | ug/l | 25.0 | | 90 | 40-150 | 9 | 35 | |
| n-Butylbenzene | 22.3 | 0.50 | ug/l | 25.0 | | 89 | 80-130 | 16 | 15 | R6 |
| sec-Butylbenzene | 22.5 | 0.50 | ug/l | 25.0 | | 90 | 80-125 | 18 | 15 | R6 |
| tert-Butylbenzene | 22.7 | 0.50 | ug/l | 25.0 | | 91 | 80-120 | 15 | 15 | |
| Carbon disulfide | 22.4 | 0.50 | ug/l | 25.0 | | 90 | 70-140 | 2 | 15 | |
| Carbon tetrachloride | 21.4 | 0.50 | ug/l | 25.0 | | 86 | 75-130 | 10 | 20 | |
| Chlorobenzene | 26.0 | 0.50 | ug/l | 25.0 | | 104 | 80-120 | 5 | 15 | |
| Chloroethane | 20.0 | 1.0 | ug/l | 25.0 | | 80 | 70-130 | 0.4 | 15 | |
| Chloroform | 22.0 | 0.50 | ug/l | 25.0 | | 88 | 75-120 | 6 | 15 | |
| Chloromethane | 17.2 | 1.0 | ug/l | 25.0 | | 69 | 60-140 | 1 | 20 | |
| 2-Chlorotoluene | 22.3 | 0.50 | ug/l | 25.0 | | 89 | 80-120 | 9 | 15 | |
| 4-Chlorotoluene | 22.5 | 0.50 | ug/l | 25.0 | | 90 | 80-120 | 8 | 15 | |
| Dibromochloromethane | 24.9 | 0.50 | ug/l | 25.0 | | 100 | 80-120 | 2 | 15 | |
| 1,2-Dibromo-3-chloropropane | 23.2 | 2.5 | ug/l | 25.0 | | 93 | 50-150 | 5 | 35 | |
| 1,2-Dibromoethane (EDB) | 25.5 | 0.50 | ug/l | 25.0 | | 102 | 80-120 | 8 | 15 | |
| Dibromomethane | 23.5 | 0.50 | ug/l | 25.0 | | 94 | 75-120 | 8 | 15 | |
| 1,2-Dichlorobenzene | 25.6 | 0.50 | ug/l | 25.0 | | 102 | 80-120 | 5 | 15 | |
| 1,3-Dichlorobenzene | 25.3 | 0.50 | ug/l | 25.0 | | 101 | 80-120 | 7 | 15 | |
| 1,4-Dichlorobenzene | 25.5 | 0.50 | ug/l | 25.0 | | 102 | 80-120 | 3 | 15 | |
| Dichlorodifluoromethane | 13.8 | 0.50 | ug/l | 25.0 | | 55 | 60-150 | 13 | 30 | NI |
| 1,1-Dichloroethane | 21.3 | 0.50 | ug/l | 25.0 | | 85 | 70-125 | 2 | 15 | |
| 1,2-Dichloroethane | 21.6 | 0.50 | ug/l | 25.0 | | 86 | 75-130 | 15 | 15 | |
| 1,1-Dichloroethene | 20.2 | 0.50 | ug/l | 25.0 | | 81 | 75-125 | 5 | 20 | |
| cis-1,2-Dichloroethene | 21.1 | 0.50 | ug/l | 25.0 | | 84 | 80-120 | 7 | 15 | |
| trans-1,2-Dichloroethene | 21.0 | 0.50 | ug/l | 25.0 | | 84 | 80-120 | 0.7 | 15 | |
| 1,2-Dichloropropane | 22.3 | 0.50 | ug/l | 25.0 | | 89 | 80-120 | 5 | 15 | |
| 1,3-Dichloropropane | 24.0 | 0.50 | ug/l | 25.0 | | 96 | 80-120 | 0.7 | 15 | |
| 2,2-Dichloropropane | 19.3 | 1.0 | ug/l | 25.0 | | 77 | 75-130 | 2 | 15 | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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PUI0566 <Page 32 of 40>

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0566

Sampled: 09/09/11
Received: 09/09/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------|-----------|-------------|---------|-----------|-----------------|
| Batch: 1110528 Extracted: 09/15/11 | | | | | | | | | | |
| LCS Dup Analyzed: 09/15/2011 (1110528-BSD1) | | | | | | | | | | |
| 1,1-Dichloropropene | 20.0 | 0.50 | ug/l | 25.0 | | 80 | 75-120 | 5 | 15 | |
| cis-1,3-Dichloropropene | 22.6 | 0.50 | ug/l | 25.0 | | 91 | 80-120 | 8 | 15 | |
| trans-1,3-Dichloropropene | 22.9 | 0.50 | ug/l | 25.0 | | 92 | 80-125 | 11 | 15 | |
| Ethylbenzene | 24.1 | 0.50 | ug/l | 25.0 | | 97 | 80-120 | 11 | 15 | |
| Hexachlorobutadiene | 25.0 | 1.0 | ug/l | 25.0 | | 100 | 40-150 | 19 | 35 | |
| 2-Hexanone | 19.4 | 2.5 | ug/l | 25.0 | | 78 | 20-150 | 19 | 35 | |
| Iodomethane | 34.6 | 2.5 | ug/l | 25.0 | | 138 | 80-130 | 5 | 10 | L3 |
| Isopropylbenzene | 24.1 | 0.50 | ug/l | 25.0 | | 96 | 80-130 | 11 | 15 | |
| p-Isopropyltoluene | 23.0 | 0.50 | ug/l | 25.0 | | 92 | 80-130 | 15 | 15 | |
| Methylene Chloride | 23.2 | 1.0 | ug/l | 25.0 | | 93 | 70-120 | 8 | 15 | |
| 4-Methyl-2-pentanone (MIBK) | 21.3 | 2.5 | ug/l | 25.0 | | 85 | 60-135 | 12 | 25 | |
| Methyl-tert-butyl Ether (MTBE) | 20.6 | 0.50 | ug/l | 25.0 | | 82 | 70-130 | 15 | 20 | |
| Naphthalene | 24.5 | 2.5 | ug/l | 25.0 | | 98 | 40-150 | 0.8 | 30 | |
| n-Propylbenzene | 22.9 | 0.50 | ug/l | 25.0 | | 92 | 75-130 | 12 | 15 | |
| Styrene | 23.3 | 0.50 | ug/l | 25.0 | | 93 | 80-120 | 5 | 15 | |
| 1,1,1,2-Tetrachloroethane | 25.9 | 0.50 | ug/l | 25.0 | | 104 | 75-125 | 6 | 15 | |
| 1,1,2,2-Tetrachloroethane | 23.8 | 0.50 | ug/l | 25.0 | | 95 | 80-120 | 0.04 | 20 | |
| Tetrachloroethene | 25.4 | 0.50 | ug/l | 25.0 | | 101 | 70-130 | 16 | 20 | |
| Toluene | 24.1 | 0.50 | ug/l | 25.0 | | 96 | 80-120 | 2 | 15 | |
| 1,2,3-Trichlorobenzene | 26.1 | 1.0 | ug/l | 25.0 | | 104 | 55-150 | 7 | 35 | |
| 1,2,4-Trichlorobenzene | 26.3 | 1.0 | ug/l | 25.0 | | 105 | 50-150 | 6 | 30 | |
| 1,1,1-Trichloroethane | 22.0 | 0.50 | ug/l | 25.0 | | 88 | 75-125 | 1 | 15 | |
| 1,1,2-Trichloroethane | 24.8 | 0.50 | ug/l | 25.0 | | 99 | 80-120 | 13 | 15 | |
| Trichloroethene | 23.1 | 0.50 | ug/l | 25.0 | | 92 | 80-120 | 2 | 15 | |
| Trichlorofluoromethane | 20.2 | 0.50 | ug/l | 25.0 | | 81 | 70-150 | 6 | 25 | |
| 1,2,3-Trichloropropane | 23.5 | 1.0 | ug/l | 25.0 | | 94 | 70-130 | 6 | 20 | |
| 1,2,4-Trimethylbenzene | 23.4 | 0.50 | ug/l | 25.0 | | 93 | 80-120 | 8 | 15 | |
| 1,3,5-Trimethylbenzene | 23.2 | 0.50 | ug/l | 25.0 | | 93 | 80-130 | 11 | 15 | |
| Vinyl Acetate | 21.5 | 1.0 | ug/l | 25.0 | | 86 | 40-150 | 15 | 25 | |
| Vinyl chloride | 19.8 | 0.50 | ug/l | 25.0 | | 79 | 70-130 | 4 | 20 | |
| Xylenes, Total | 49.4 | 1.5 | ug/l | 50.0 | | 99 | 60-140 | 8 | 15 | |
| Freon 113 | 20.8 | 2.0 | ug/l | 25.0 | | 83 | 60-140 | 15 | 15 | |
| Surrogate: Dibromofluoromethane | 25.3 | | ug/l | 25.0 | | 101 | 80-130 | | | |
| Surrogate: Toluene-d8 | 26.2 | | ug/l | 25.0 | | 105 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 25.0 | | ug/l | 25.0 | | 100 | 80-125 | | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

Environmental Resources Management Inc.-West
 7272 E. Indian School Rd., Ste. 100
 Scottsdale, AZ 85251
 Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0566

Sampled: 09/09/11
 Received: 09/09/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | Limit | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------------------|-----------|--------|-----|-----------|-----------------|
| Batch: 1110528 Extracted: 09/15/11 | | | | | | | | | | |
| Matrix Spike Analyzed: 09/15/2011 (1110528-MS1) | | | | | Source: PUI0523-15 | | | | | |
| Acetone | 20.0 | 10 | ug/l | 25.0 | ND | 80 | 10-150 | | | |
| Benzene | 25.6 | 0.50 | ug/l | 25.0 | 1.72 | 96 | 70-125 | | | |
| Bromobenzene | 26.3 | 0.50 | ug/l | 25.0 | ND | 105 | 75-120 | | | |
| Bromochloromethane | 25.8 | 0.50 | ug/l | 25.0 | ND | 103 | 75-130 | | | |
| Bromodichloromethane | 22.6 | 0.50 | ug/l | 25.0 | ND | 90 | 75-125 | | | |
| Bromoform | 27.0 | 1.0 | ug/l | 25.0 | ND | 108 | 65-125 | | | |
| Bromomethane | 25.8 | 1.0 | ug/l | 25.0 | ND | 103 | 45-150 | | | |
| 2-Butanone (MEK) | 26.0 | 2.5 | ug/l | 25.0 | ND | 104 | 15-150 | | | |
| n-Butylbenzene | 22.9 | 0.50 | ug/l | 25.0 | ND | 92 | 70-130 | | | |
| sec-Butylbenzene | 24.3 | 0.50 | ug/l | 25.0 | ND | 97 | 70-125 | | | |
| tert-Butylbenzene | 23.7 | 0.50 | ug/l | 25.0 | ND | 95 | 70-125 | | | |
| Carbon disulfide | 24.2 | 0.50 | ug/l | 25.0 | ND | 97 | 65-145 | | | |
| Carbon tetrachloride | 22.5 | 0.50 | ug/l | 25.0 | ND | 90 | 65-135 | | | |
| Chlorobenzene | 66.2 | 0.50 | ug/l | 25.0 | 34.8 | 126 | 75-120 | | | MI |
| Chloroethane | 21.6 | 1.0 | ug/l | 25.0 | ND | 87 | 65-140 | | | |
| Chloroform | 24.2 | 0.50 | ug/l | 25.0 | ND | 97 | 70-130 | | | |
| Chloromethane | 18.3 | 1.0 | ug/l | 25.0 | ND | 73 | 55-145 | | | |
| 2-Chlorotoluene | 23.4 | 0.50 | ug/l | 25.0 | ND | 94 | 70-125 | | | |
| 4-Chlorotoluene | 23.9 | 0.50 | ug/l | 25.0 | ND | 96 | 70-125 | | | |
| Dibromochloromethane | 25.9 | 0.50 | ug/l | 25.0 | ND | 104 | 70-130 | | | |
| 1,2-Dibromo-3-chloropropane | 25.3 | 2.5 | ug/l | 25.0 | ND | 101 | 50-150 | | | |
| 1,2-Dibromoethane (EDB) | 26.4 | 0.50 | ug/l | 25.0 | ND | 105 | 70-125 | | | |
| Dibromomethane | 25.4 | 0.50 | ug/l | 25.0 | ND | 102 | 70-120 | | | |
| 1,2-Dichlorobenzene | 28.9 | 0.50 | ug/l | 25.0 | 1.58 | 109 | 75-120 | | | |
| 1,3-Dichlorobenzene | 27.0 | 0.50 | ug/l | 25.0 | 0.260 | 107 | 75-120 | | | |
| 1,4-Dichlorobenzene | 28.1 | 0.50 | ug/l | 25.0 | ND | 112 | 70-125 | | | |
| Dichlorodifluoromethane | 14.8 | 0.50 | ug/l | 25.0 | ND | 59 | 60-150 | | | NI |
| 1,1-Dichloroethane | 23.5 | 0.50 | ug/l | 25.0 | ND | 94 | 70-130 | | | |
| 1,2-Dichloroethane | 23.6 | 0.50 | ug/l | 25.0 | ND | 95 | 65-140 | | | |
| 1,1-Dichloroethene | 21.9 | 0.50 | ug/l | 25.0 | ND | 88 | 70-130 | | | |
| cis-1,2-Dichloroethene | 29.6 | 0.50 | ug/l | 25.0 | 5.80 | 95 | 70-125 | | | |
| trans-1,2-Dichloroethene | 22.5 | 0.50 | ug/l | 25.0 | 0.400 | 88 | 75-125 | | | |
| 1,2-Dichloropropane | 23.8 | 0.50 | ug/l | 25.0 | ND | 95 | 75-125 | | | |
| 1,3-Dichloropropane | 25.8 | 0.50 | ug/l | 25.0 | ND | 103 | 70-120 | | | |
| 2,2-Dichloropropane | 20.8 | 1.0 | ug/l | 25.0 | ND | 83 | 65-140 | | | |

TestAmerica Phoenix

Kylie Emily
 Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0566

Sampled: 09/09/11

Received: 09/09/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------------------|------|-------------|-----|-----------|-----------------|
| Batch: 11I0528 Extracted: 09/15/11 | | | | | | | | | | |
| Matrix Spike Analyzed: 09/15/2011 (11I0528-MS1) | | | | | Source: PUI0523-15 | | | | | |
| 1,1-Dichloropropene | 20.4 | 0.50 | ug/l | 25.0 | ND | 81 | 65-130 | | | |
| cis-1,3-Dichloropropene | 22.4 | 0.50 | ug/l | 25.0 | ND | 90 | 75-130 | | | |
| trans-1,3-Dichloropropene | 21.9 | 0.50 | ug/l | 25.0 | ND | 88 | 70-130 | | | |
| Ethylbenzene | 25.6 | 0.50 | ug/l | 25.0 | ND | 102 | 70-125 | | | |
| Hexachlorobutadiene | 25.9 | 1.0 | ug/l | 25.0 | 0.550 | 101 | 40-150 | | | |
| 2-Hexanone | 21.9 | 2.5 | ug/l | 25.0 | ND | 88 | 20-150 | | | |
| Iodomethane | 36.1 | 2.5 | ug/l | 25.0 | ND | 144 | 60-150 | | | |
| Isopropylbenzene | 25.0 | 0.50 | ug/l | 25.0 | ND | 100 | 75-130 | | | |
| p-Isopropyltoluene | 24.0 | 0.50 | ug/l | 25.0 | ND | 96 | 70-130 | | | |
| Methylene Chloride | 25.3 | 1.0 | ug/l | 25.0 | ND | 101 | 65-130 | | | |
| 4-Methyl-2-pentanone (MIBK) | 21.1 | 2.5 | ug/l | 25.0 | ND | 84 | 55-135 | | | |
| Methyl-tert-butyl Ether (MTBE) | 22.7 | 0.50 | ug/l | 25.0 | ND | 91 | 65-140 | | | |
| Naphthalene | 24.9 | 2.5 | ug/l | 25.0 | ND | 100 | 40-150 | | | |
| n-Propylbenzene | 24.0 | 0.50 | ug/l | 25.0 | ND | 96 | 70-130 | | | |
| Styrene | 24.8 | 0.50 | ug/l | 25.0 | ND | 99 | 55-135 | | | |
| 1,1,1,2-Tetrachloroethane | 27.6 | 0.50 | ug/l | 25.0 | ND | 110 | 70-125 | | | |
| 1,1,2,2-Tetrachloroethane | 26.8 | 0.50 | ug/l | 25.0 | ND | 107 | 70-125 | | | |
| Tetrachloroethene | 25.9 | 0.50 | ug/l | 25.0 | ND | 103 | 65-130 | | | |
| Toluene | 25.6 | 0.50 | ug/l | 25.0 | ND | 103 | 70-125 | | | |
| 1,2,3-Trichlorobenzene | 28.0 | 1.0 | ug/l | 25.0 | ND | 112 | 50-150 | | | |
| 1,2,4-Trichlorobenzene | 27.7 | 1.0 | ug/l | 25.0 | ND | 111 | 50-150 | | | |
| 1,1,1-Trichloroethane | 22.7 | 0.50 | ug/l | 25.0 | ND | 91 | 70-130 | | | |
| 1,1,2-Trichloroethane | 25.7 | 0.50 | ug/l | 25.0 | ND | 103 | 75-125 | | | |
| Trichloroethene | 24.6 | 0.50 | ug/l | 25.0 | 0.370 | 97 | 70-125 | | | |
| Trichlorofluoromethane | 21.3 | 0.50 | ug/l | 25.0 | ND | 85 | 65-150 | | | |
| 1,2,3-Trichloropropane | 24.9 | 1.0 | ug/l | 25.0 | ND | 100 | 70-130 | | | |
| 1,2,4-Trimethylbenzene | 24.8 | 0.50 | ug/l | 25.0 | ND | 99 | 70-125 | | | |
| 1,3,5-Trimethylbenzene | 24.2 | 0.50 | ug/l | 25.0 | ND | 97 | 75-130 | | | |
| Vinyl Acetate | 22.8 | 1.0 | ug/l | 25.0 | ND | 91 | 40-150 | | | |
| Vinyl chloride | 30.4 | 0.50 | ug/l | 25.0 | 9.32 | 84 | 60-140 | | | |
| Xylenes, Total | 52.4 | 1.5 | ug/l | 50.0 | ND | 105 | 75-120 | | | |
| Freon 113 | 22.7 | 2.0 | ug/l | 25.0 | ND | 91 | 65-140 | | | |
| Surrogate: Dibromofluoromethane | 26.8 | | ug/l | 25.0 | | 107 | 80-130 | | | |
| Surrogate: Toluene-d8 | 25.9 | | ug/l | 25.0 | | 104 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 25.5 | | ug/l | 25.0 | | 102 | 80-125 | | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
 7272 E. Indian School Rd., Ste. 100
 Scottsdale, AZ 85251
 Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0566

Sampled: 09/09/11
 Received: 09/09/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-------|-------------|---------------------------|-----------|-------------|------|-----------|-----------------|
| Batch: 11I0528 Extracted: 09/15/11 | | | | | | | | | | |
| Matrix Spike Dup Analyzed: 09/15/2011 (11I0528-MSD1) | | | | | Source: PUI0523-15 | | | | | |
| Acetone | 19.9 | 10 | ug/l | 25.0 | ND | 80 | 10-150 | 0.4 | 35 | |
| Benzene | 25.8 | 0.50 | ug/l | 25.0 | 1.72 | 96 | 70-125 | 0.6 | 25 | |
| Bromobenzene | 26.9 | 0.50 | ug/l | 25.0 | ND | 108 | 75-120 | 2 | 20 | |
| Bromochloromethane | 22.9 | 0.50 | ug/l | 25.0 | ND | 92 | 75-130 | 12 | 20 | |
| Bromodichloromethane | 21.7 | 0.50 | ug/l | 25.0 | ND | 87 | 75-125 | 4 | 20 | |
| Bromoform | 25.5 | 1.0 | ug/l | 25.0 | ND | 102 | 65-125 | 6 | 25 | |
| Bromomethane | 26.0 | 1.0 | ug/l | 25.0 | ND | 104 | 45-150 | 0.7 | 35 | |
| 2-Butanone (MEK) | 23.5 | 2.5 | ug/l | 25.0 | ND | 94 | 15-150 | 10 | 30 | |
| n-Butylbenzene | 24.6 | 0.50 | ug/l | 25.0 | ND | 99 | 70-130 | 7 | 30 | |
| sec-Butylbenzene | 25.4 | 0.50 | ug/l | 25.0 | ND | 101 | 70-125 | 4 | 30 | |
| tert-Butylbenzene | 24.9 | 0.50 | ug/l | 25.0 | ND | 99 | 70-125 | 5 | 25 | |
| Carbon disulfide | 24.0 | 0.50 | ug/l | 25.0 | ND | 96 | 65-145 | 0.8 | 25 | |
| Carbon tetrachloride | 21.9 | 0.50 | ug/l | 25.0 | ND | 87 | 65-135 | 3 | 25 | |
| Chlorobenzene | 60.3 | 0.50 | ug/l | 25.0 | 34.8 | 102 | 75-120 | 9 | 20 | |
| Chloroethane | 21.3 | 1.0 | ug/l | 25.0 | ND | 85 | 65-140 | 2 | 25 | |
| Chloroform | 22.8 | 0.50 | ug/l | 25.0 | ND | 91 | 70-130 | 6 | 20 | |
| Chloromethane | 17.8 | 1.0 | ug/l | 25.0 | ND | 71 | 55-145 | 2 | 35 | |
| 2-Chlorotoluene | 24.4 | 0.50 | ug/l | 25.0 | ND | 97 | 70-125 | 4 | 25 | |
| 4-Chlorotoluene | 24.1 | 0.50 | ug/l | 25.0 | ND | 96 | 70-125 | 0.7 | 25 | |
| Dibromochloromethane | 23.6 | 0.50 | ug/l | 25.0 | ND | 95 | 70-130 | 9 | 20 | |
| 1,2-Dibromo-3-chloropropane | 22.9 | 2.5 | ug/l | 25.0 | ND | 91 | 50-150 | 10 | 30 | |
| 1,2-Dibromoethane (EDB) | 23.7 | 0.50 | ug/l | 25.0 | ND | 95 | 70-125 | 11 | 20 | |
| Dibromomethane | 22.8 | 0.50 | ug/l | 25.0 | ND | 91 | 70-120 | 11 | 20 | |
| 1,2-Dichlorobenzene | 28.9 | 0.50 | ug/l | 25.0 | 1.58 | 109 | 75-120 | 0.07 | 20 | |
| 1,3-Dichlorobenzene | 26.9 | 0.50 | ug/l | 25.0 | 0.260 | 106 | 75-120 | 0.5 | 25 | |
| 1,4-Dichlorobenzene | 27.4 | 0.50 | ug/l | 25.0 | ND | 110 | 70-125 | 2 | 20 | |
| Dichlorodifluoromethane | 15.0 | 0.50 | ug/l | 25.0 | ND | 60 | 60-150 | 1 | 30 | |
| 1,1-Dichloroethane | 22.1 | 0.50 | ug/l | 25.0 | ND | 88 | 70-130 | 6 | 20 | |
| 1,2-Dichloroethane | 21.2 | 0.50 | ug/l | 25.0 | ND | 85 | 65-140 | 11 | 20 | |
| 1,1-Dichloroethene | 22.4 | 0.50 | ug/l | 25.0 | ND | 89 | 70-130 | 2 | 25 | |
| cis-1,2-Dichloroethene | 27.9 | 0.50 | ug/l | 25.0 | 5.80 | 88 | 70-125 | 6 | 20 | |
| trans-1,2-Dichloroethene | 22.3 | 0.50 | ug/l | 25.0 | 0.400 | 87 | 75-125 | 0.9 | 25 | |
| 1,2-Dichloropropane | 22.2 | 0.50 | ug/l | 25.0 | ND | 89 | 75-125 | 7 | 20 | |
| 1,3-Dichloropropane | 23.6 | 0.50 | ug/l | 25.0 | ND | 95 | 70-120 | 9 | 20 | |
| 2,2-Dichloropropane | 20.8 | 1.0 | ug/l | 25.0 | ND | 83 | 65-140 | 0.05 | 25 | |

TestAmerica Phoenix

Kylie Emily
 Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0566

Sampled: 09/09/11
Received: 09/09/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting | Units | Spike | Source | %REC | | RPD | | Data |
|---|--------|-----------|-------|-------|---------------------------|------|--------|-----|-------|------|
| | | Limit | | | Result | %REC | Limits | RPD | Limit | |
| Batch: 11I0528 Extracted: 09/15/11 | | | | | | | | | | |
| Matrix Spike Dup Analyzed: 09/15/2011 (11I0528-MSD1) | | | | | Source: PUI0523-15 | | | | | |
| 1,1-Dichloropropene | 20.6 | 0.50 | ug/l | 25.0 | ND | 82 | 65-130 | 1 | 25 | |
| cis-1,3-Dichloropropene | 21.1 | 0.50 | ug/l | 25.0 | ND | 84 | 75-130 | 6 | 20 | |
| trans-1,3-Dichloropropene | 21.7 | 0.50 | ug/l | 25.0 | ND | 87 | 70-130 | 0.9 | 20 | |
| Ethylbenzene | 25.0 | 0.50 | ug/l | 25.0 | ND | 100 | 70-125 | 2 | 25 | |
| Hexachlorobutadiene | 27.2 | 1.0 | ug/l | 25.0 | 0.550 | 107 | 40-150 | 5 | 30 | |
| 2-Hexanone | 18.4 | 2.5 | ug/l | 25.0 | ND | 74 | 20-150 | 18 | 30 | |
| Iodomethane | 35.9 | 2.5 | ug/l | 25.0 | ND | 144 | 60-150 | 0.4 | 30 | |
| Isopropylbenzene | 26.6 | 0.50 | ug/l | 25.0 | ND | 107 | 75-130 | 6 | 25 | |
| p-Isopropyltoluene | 25.5 | 0.50 | ug/l | 25.0 | ND | 102 | 70-130 | 6 | 30 | |
| Methylene Chloride | 23.3 | 1.0 | ug/l | 25.0 | ND | 93 | 65-130 | 8 | 20 | |
| 4-Methyl-2-pentanone (MIBK) | 20.2 | 2.5 | ug/l | 25.0 | ND | 81 | 55-135 | 4 | 25 | |
| Methyl-tert-butyl Ether (MTBE) | 20.1 | 0.50 | ug/l | 25.0 | ND | 80 | 65-140 | 12 | 25 | |
| Naphthalene | 24.3 | 2.5 | ug/l | 25.0 | ND | 97 | 40-150 | 2 | 30 | |
| n-Propylbenzene | 25.2 | 0.50 | ug/l | 25.0 | ND | 101 | 70-130 | 5 | 30 | |
| Styrene | 22.9 | 0.50 | ug/l | 25.0 | ND | 92 | 55-135 | 8 | 35 | |
| 1,1,1,2-Tetrachloroethane | 25.2 | 0.50 | ug/l | 25.0 | ND | 101 | 70-125 | 9 | 20 | |
| 1,1,2,2-Tetrachloroethane | 25.4 | 0.50 | ug/l | 25.0 | ND | 102 | 70-125 | 6 | 25 | |
| Tetrachloroethene | 25.6 | 0.50 | ug/l | 25.0 | ND | 102 | 65-130 | 1 | 25 | |
| Toluene | 25.0 | 0.50 | ug/l | 25.0 | ND | 100 | 70-125 | 3 | 20 | |
| 1,2,3-Trichlorobenzene | 28.1 | 1.0 | ug/l | 25.0 | ND | 112 | 50-150 | 0.1 | 35 | |
| 1,2,4-Trichlorobenzene | 27.1 | 1.0 | ug/l | 25.0 | ND | 108 | 50-150 | 2 | 25 | |
| 1,1,1-Trichloroethane | 22.4 | 0.50 | ug/l | 25.0 | ND | 90 | 70-130 | 1 | 25 | |
| 1,1,2-Trichloroethane | 23.8 | 0.50 | ug/l | 25.0 | ND | 95 | 75-125 | 8 | 20 | |
| Trichloroethene | 24.2 | 0.50 | ug/l | 25.0 | 0.370 | 95 | 70-125 | 1 | 25 | |
| Trichlorofluoromethane | 21.7 | 0.50 | ug/l | 25.0 | ND | 87 | 65-150 | 2 | 25 | |
| 1,2,3-Trichloropropane | 23.8 | 1.0 | ug/l | 25.0 | ND | 95 | 70-130 | 5 | 25 | |
| 1,2,4-Trimethylbenzene | 25.5 | 0.50 | ug/l | 25.0 | ND | 102 | 70-125 | 3 | 30 | |
| 1,3,5-Trimethylbenzene | 25.5 | 0.50 | ug/l | 25.0 | ND | 102 | 75-130 | 5 | 25 | |
| Vinyl Acetate | 20.4 | 1.0 | ug/l | 25.0 | ND | 81 | 40-150 | 11 | 30 | |
| Vinyl chloride | 30.8 | 0.50 | ug/l | 25.0 | 9.32 | 86 | 60-140 | 1 | 25 | |
| Xylenes, Total | 51.0 | 1.5 | ug/l | 50.0 | ND | 102 | 75-120 | 3 | 15 | |
| Freon 113 | 23.0 | 2.0 | ug/l | 25.0 | ND | 92 | 65-140 | 1 | 20 | |
| Surrogate: Dibromofluoromethane | 25.2 | | ug/l | 25.0 | | 101 | 80-130 | | | |
| Surrogate: Toluene-d8 | 25.9 | | ug/l | 25.0 | | 104 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 23.5 | | ug/l | 25.0 | | 94 | 80-125 | | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
 7272 E. Indian School Rd., Ste. 100
 Scottsdale, AZ 85251
 Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0566

Sampled: 09/09/11

Received: 09/09/11

METHOD BLANK/QC DATA

1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------|-----------|-----------|-----|-----------|-----------------|
| Batch: 1110480 Extracted: 09/14/11 | | | | | | | | | | |
| Blank Analyzed: 09/15/2011 (1110480-BLK1) | | | | | | | | | | |
| 1,4-Dioxane | ND | 1.0 | ug/l | | | | | | | |
| Surrogate: 1,4-Dioxane-d8 | 13.9 | | ug/l | 20.0 | | 70 | 38.6-88.3 | | | |
| Surrogate: Nitrobenzene-d5 | 16.9 | | ug/l | 20.0 | | 85 | 59.9-120 | | | |
| LCS Analyzed: 09/15/2011 (1110480-BS1) | | | | | | | | | | |
| 1,4-Dioxane | 20.3 | 1.0 | ug/l | 20.0 | | 102 | 80-120 | | | Q8 |
| Surrogate: 1,4-Dioxane-d8 | 15.1 | | ug/l | 20.0 | | 75 | 32-57 | | | S10 |
| Surrogate: Nitrobenzene-d5 | 18.2 | | ug/l | 20.0 | | 91 | 38-125 | | | |
| LCS Dup Analyzed: 09/15/2011 (1110480-BSD1) | | | | | | | | | | |
| 1,4-Dioxane | 20.6 | 1.0 | ug/l | 20.0 | | 103 | 80-120 | 1 | 25 | Q8 |
| Surrogate: 1,4-Dioxane-d8 | 15.2 | | ug/l | 20.0 | | 76 | 32-57 | | | S10 |
| Surrogate: Nitrobenzene-d5 | 18.7 | | ug/l | 20.0 | | 94 | 38-125 | | | |

TestAmerica Phoenix

Kylie Emily
 Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0566

Sampled: 09/09/11

Received: 09/09/11

DATA QUALIFIERS AND DEFINITIONS

- B1 Target analyte detected in method blank at or above the method reporting limit.
- L3 The associated blank spike recovery was above method acceptance limits.
- M1 Matrix spike recovery was high; the associated blank spike recovery was acceptable.
- N1 See case narrative.
- Q8 Insufficient sample received to meet method QC requirements. Batch QC requirements satisfy ADEQ policies 0154.000 and 0155.000.
- R1 The RPD/RSD exceeded the method acceptance limit.
- R6 LFB/LFBD RPD exceeded the method acceptance limit. Recovery met acceptance criteria.
- S10 Surrogate recovery was above laboratory and method acceptance limits. See case narrative.
- ND Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
- RPD Relative Percent Difference

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Project Manager

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PUI0566 <Page 39 of 40>

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0566

Sampled: 09/09/11

Received: 09/09/11

Certification Summary

TestAmerica Phoenix

| Method | Matrix | Nelac | Arizona |
|-----------|--------|-------|---------|
| EPA 8260B | Water | X | X |
| EPA 8270C | Water | | X |

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for TestAmerica may be obtained by contacting the laboratory or visiting our website at www.testamericainc.com

TestAmerica Phoenix

Kylie Emily
Project Manager

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PUI0566 <Page 40 of 40>

Environmental Resources Management

CHAIN OF CUSTODY RECORD

PVF0566

NO: 3041

7272 E. Indian School Road, Suite 100 • Scottsdale, AZ • 85251 • (480) 998-2401 • FAX (480) 998-2106

Page 1 of 1

| PROJECT # | | PROJECT NAME | | # OF CONTAINERS | MATRIX | | | REQUESTED PARAMETERS | | | | | | | | | | | | | |
|---|--------|--------------|-------------|-----------------|-----------------|--------------|-----------|----------------------|------|---|--|---|---|---|------------|--|--|--|--|--|-----|
| 0096493.030 | | OU3 | | | SOIL | WATER | GAS | | | | | | | | | | | | | | |
| SAMPLER: (PRINT NAME) | | | (SIGNATURE) | | | | | | | | | | | | | | | | | | |
| Adam Nagle | | | | | | | | | | | | | | | | | | | | | |
| RECEIVING LABORATORY | | | | | | | | | | | | | | | | | | | | | |
| Test America, Phoenix, AZ | | | | | | | | | | | | | | | | | | | | | |
| SAMPLE I.D. | DATE | TIME | COMP | GRAB | SAMPLING METHOD | PRESERVATIVE | ICE (Y/N) | SAMPLING VOLUME | | | | | | | | | | | | | |
| 003-9M2-M-090911 | 9/9/11 | 0854 | | x | Pump | HCl | Y | 40ml | 3 | 2 | | x | x | x | | | | | | | -01 |
| 003-95-S-090911 | 9/9/11 | 0919 | | x | Pump | HCl | Y | 40ml | 3 | 2 | | x | x | x | | | | | | | -02 |
| 003-12D-D-090911 | 9/9/11 | 1141 | | x | Pump | HCl | Y | 40ml | 3 | 2 | | x | x | x | | | | | | | -03 |
| 003-12M-M-090911 | 9/9/11 | 1336 | | x | Pump | HCl | Y | 40ml | 3 | 2 | | x | x | x | | | | | | | -04 |
| 5C-MW-1D-B-090911 | 9/9/11 | 1515 | | x | Pump | HCl | Y | 40ml | 3 | 2 | | x | x | x | | | | | | | -05 |
| 6W-EB1-2-090911 | 9/9/11 | 1516 | | x | Pump | HCl | Y | 40ml | 3 | 2 | | x | x | x | | | | | | | -06 |
| 6W-L1-2-090911 | 9/9/11 | - | | - | - | HCl | Y | 40ml | 1 | | | x | x | | TRIP BLANK | | | | | | -07 |
| RELINQUISHED BY (SIGNATURE) | | | DATE | TIME | RECEIVED BY | | | DATE | TIME | FIELD REMARKS | | | | | | | | | | | |
| | | | 9/9/11 | 1538 | | | | 9/9/11 | 1538 | | | | | | | | | | | | |
| RELINQUISHED BY (SIGNATURE) | | | DATE | TIME | RECEIVED BY | | | DATE | TIME | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| RELINQUISHED BY (SIGNATURE) | | | DATE | TIME | RECEIVED BY | | | DATE | TIME | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| REMARKS ON SAMPLE RECEIPT | | | | | ERM REMARKS | | | | | SEND REPORT TO: Jason.Kilker@erm.com | | | | | | | | | | | |
| <input type="checkbox"/> BOTTLE INTACT <input type="checkbox"/> CUSTODY SEALS <input type="checkbox"/> CHILLED <input type="checkbox"/> PRESERVED <input type="checkbox"/> SEALS INTACT <input type="checkbox"/> SEE REMARKS | | | | | | | | | | | | | | | | | | | | | |

LABORATORY REPORT

Prepared For: Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project: 0096498.030

Sampled: 09/12/11
Received: 09/12/11
Revised: 11/01/11 15:34

NELAP #01109CA Arizona DHS#AZ0728

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica. The Chain of Custody, 1 page, is included and is an integral part of this report.

This entire report was reviewed and approved for release.

CASE NARRATIVE

LABORATORY ID

PUI0649-01
PUI0649-02
PUI0649-03
PUI0649-04
PUI0649-05
PUI0649-06
PUI0649-07

CLIENT ID

OU3-6D-D-091211
OU3-6M-M-091211
OU3-1D-D-091211
GW-EB1-3-091211
BE-MW-8-S-091211
GW-L1-3-091211
GW-R1-1-091211

MATRIX

Water
Water
Water
Water
Water
Water
Water

TestAmerica Phoenix

Kylie Emily
Project Manager

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax: (602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030

Report Number: PUI0649

Sampled: 09/12/11

Received: 09/12/11

SAMPLE RECEIPT: Samples were received intact, at 1°C, on ice and with chain of custody documentation.

HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the TestAmerica Sample Acceptance Policy unless otherwise noted in the report.

PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

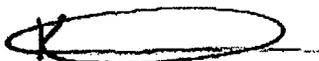
QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.
L3-Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.
R1-The RPD exceeded the acceptance limit.
S10-Surrogate recovery was above acceptance limits.
N1-The RPD exceeded the acceptance limit due to sample matrix effects.

COMMENTS: No significant observations were made.

SUBCONTRACTED: No analyses were subcontracted to an outside laboratory.

ADDITIONAL INFORMATION: Revised report to reflect QAPP limits.

Reviewed By:



TestAmerica Phoenix

Kylie Emily
Project Manager

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PUI0649 <Page 2 of 40>

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030

Report Number: PUI0649

Sampled: 09/12/11
Received: 09/12/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0649-01 (OU3-6D-D-091211 - Water) | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| Acetone | EPA 8260B | 11I0627 | 10 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Benzene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Bromobenzene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Bromochloromethane | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Bromodichloromethane | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Bromoform | EPA 8260B | 11I0627 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Bromomethane | EPA 8260B | 11I0627 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 2-Butanone (MEK) | EPA 8260B | 11I0627 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| n-Butylbenzene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| sec-Butylbenzene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| tert-Butylbenzene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Carbon disulfide | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Carbon tetrachloride | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Chlorobenzene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Chloroethane | EPA 8260B | 11I0627 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Chloroform | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Chloromethane | EPA 8260B | 11I0627 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 2-Chlorotoluene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 4-Chlorotoluene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Dibromochloromethane | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | L3 |
| 1,2-Dibromo-3-chloropropane | EPA 8260B | 11I0627 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dibromoethane (EDB) | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Dibromomethane | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dichlorobenzene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,3-Dichlorobenzene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,4-Dichlorobenzene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Dichlorodifluoromethane | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1-Dichloroethane | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dichloroethane | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1-Dichloroethene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| cis-1,2-Dichloroethene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| trans-1,2-Dichloroethene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dichloropropane | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,3-Dichloropropane | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 2,2-Dichloropropane | EPA 8260B | 11I0627 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1-Dichloropropene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| cis-1,3-Dichloropropene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| trans-1,3-Dichloropropene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Ethylbenzene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Hexachlorobutadiene | EPA 8260B | 11I0627 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030

Report Number: PUI0649

Sampled: 09/12/11
Received: 09/12/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0649-01 (OU3-6D-D-091211 - Water) - cont. | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| 2-Hexanone | EPA 8260B | 1110627 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Iodomethane | EPA 8260B | 1110627 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | L3 |
| Isopropylbenzene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| p-Isopropyltoluene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Methylene Chloride | EPA 8260B | 1110627 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 4-Methyl-2-pentanone (MIBK) | EPA 8260B | 1110627 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Methyl-tert-butyl Ether (MTBE) | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Naphthalene | EPA 8260B | 1110627 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| n-Propylbenzene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Styrene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1,1,2-Tetrachloroethane | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1,2,2-Tetrachloroethane | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Tetrachloroethene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Toluene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2,3-Trichlorobenzene | EPA 8260B | 1110627 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2,4-Trichlorobenzene | EPA 8260B | 1110627 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1,1-Trichloroethane | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1,2-Trichloroethane | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Trichloroethene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Trichlorofluoromethane | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2,3-Trichloropropane | EPA 8260B | 1110627 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2,4-Trimethylbenzene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,3,5-Trimethylbenzene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Vinyl Acetate | EPA 8260B | 1110627 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Vinyl chloride | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Xylenes, Total | EPA 8260B | 1110627 | 1.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Freon 113 | EPA 8260B | 1110627 | 2.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Surrogate: Dibromofluoromethane (80-130%) | | | | | | | | 99 % |
| Surrogate: Toluene-d8 (80-120%) | | | | | | | | 100 % |
| Surrogate: 4-Bromofluorobenzene (80-125%) | | | | | | | | 101 % |

TestAmerica Phoenix

Kylie Emily
Project Manager

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PUI0649 <Page 4 of 40>

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030

Report Number: PUI0649

Sampled: 09/12/11
Received: 09/12/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0649-02 (OU3-6M-M-091211 - Water) | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| Acetone | EPA 8260B | 11I0627 | 10 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Benzene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Bromobenzene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Bromochloromethane | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Bromodichloromethane | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Bromoform | EPA 8260B | 11I0627 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Bromomethane | EPA 8260B | 11I0627 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 2-Butanone (MEK) | EPA 8260B | 11I0627 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| n-Butylbenzene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| sec-Butylbenzene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| tert-Butylbenzene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Carbon disulfide | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Carbon tetrachloride | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Chlorobenzene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Chloroethane | EPA 8260B | 11I0627 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Chloroform | EPA 8260B | 11I0627 | 0.50 | 0.63 | 1 | 9/19/2011 | 9/19/2011 | |
| Chloromethane | EPA 8260B | 11I0627 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 2-Chlorotoluene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 4-Chlorotoluene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Dibromochloromethane | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | L3 |
| 1,2-Dibromo-3-chloropropane | EPA 8260B | 11I0627 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dibromoethane (EDB) | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Dibromomethane | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dichlorobenzene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,3-Dichlorobenzene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,4-Dichlorobenzene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Dichlorodifluoromethane | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1-Dichloroethane | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dichloroethane | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1-Dichloroethene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| cis-1,2-Dichloroethene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| trans-1,2-Dichloroethene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dichloropropane | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,3-Dichloropropane | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 2,2-Dichloropropane | EPA 8260B | 11I0627 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1-Dichloropropene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| cis-1,3-Dichloropropene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| trans-1,3-Dichloropropene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Ethylbenzene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Hexachlorobutadiene | EPA 8260B | 11I0627 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |

TestAmerica Phoenix

Kylie Emily
Project Manager

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030

Report Number: PUI0649

Sampled: 09/12/11
Received: 09/12/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0649-02 (OU3-6M-M-091211 - Water) - cont. | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| 2-Hexanone | EPA 8260B | 1110627 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Iodomethane | EPA 8260B | 1110627 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | L3 |
| Isopropylbenzene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| p-Isopropyltoluene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Methylene Chloride | EPA 8260B | 1110627 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 4-Methyl-2-pentanone (MIBK) | EPA 8260B | 1110627 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Methyl-tert-butyl Ether (MTBE) | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Naphthalene | EPA 8260B | 1110627 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| n-Propylbenzene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Styrene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1,1,2-Tetrachloroethane | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1,2,2-Tetrachloroethane | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Tetrachloroethene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Toluene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2,3-Trichlorobenzene | EPA 8260B | 1110627 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2,4-Trichlorobenzene | EPA 8260B | 1110627 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1,1-Trichloroethane | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1,2-Trichloroethane | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Trichloroethene | EPA 8260B | 1110627 | 0.50 | 0.59 | 1 | 9/19/2011 | 9/19/2011 | |
| Trichlorofluoromethane | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2,3-Trichloropropane | EPA 8260B | 1110627 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2,4-Trimethylbenzene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,3,5-Trimethylbenzene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Vinyl Acetate | EPA 8260B | 1110627 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Vinyl chloride | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Xylenes, Total | EPA 8260B | 1110627 | 1.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Freon 113 | EPA 8260B | 1110627 | 2.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Surrogate: Dibromofluoromethane (80-130%) | | | | | | | | 98 % |
| Surrogate: Toluene-d8 (80-120%) | | | | | | | | 99 % |
| Surrogate: 4-Bromofluorobenzene (80-125%) | | | | | | | | 101 % |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030

Report Number: PUI0649

Sampled: 09/12/11

Received: 09/12/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0649-03 (OU3-1D-D-091211 - Water) | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| Acetone | EPA 8260B | 11I0627 | 10 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Benzene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Bromobenzene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Bromochloromethane | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Bromodichloromethane | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Bromoform | EPA 8260B | 11I0627 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Bromomethane | EPA 8260B | 11I0627 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 2-Butanone (MEK) | EPA 8260B | 11I0627 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| n-Butylbenzene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| sec-Butylbenzene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| tert-Butylbenzene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Carbon disulfide | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Carbon tetrachloride | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Chlorobenzene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Chloroethane | EPA 8260B | 11I0627 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Chloroform | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Chloromethane | EPA 8260B | 11I0627 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 2-Chlorotoluene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 4-Chlorotoluene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Dibromochloromethane | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | L3 |
| 1,2-Dibromo-3-chloropropane | EPA 8260B | 11I0627 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dibromoethane (EDB) | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Dibromomethane | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dichlorobenzene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,3-Dichlorobenzene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,4-Dichlorobenzene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Dichlorodifluoromethane | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1-Dichloroethane | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dichloroethane | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1-Dichloroethene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| cis-1,2-Dichloroethene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| trans-1,2-Dichloroethene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dichloropropane | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,3-Dichloropropane | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 2,2-Dichloropropane | EPA 8260B | 11I0627 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1-Dichloropropene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| cis-1,3-Dichloropropene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| trans-1,3-Dichloropropene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Ethylbenzene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Hexachlorobutadiene | EPA 8260B | 11I0627 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030

Report Number: PUI0649

Sampled: 09/12/11
Received: 09/12/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0649-03 (OU3-1D-D-091211 - Water) - cont. | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| 2-Hexanone | EPA 8260B | 1110627 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Iodomethane | EPA 8260B | 1110627 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | L3 |
| Isopropylbenzene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| p-Isopropyltoluene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Methylene Chloride | EPA 8260B | 1110627 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 4-Methyl-2-pentanone (MIBK) | EPA 8260B | 1110627 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Methyl-tert-butyl Ether (MTBE) | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Naphthalene | EPA 8260B | 1110627 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| n-Propylbenzene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Styrene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1,1,2-Tetrachloroethane | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1,2,2-Tetrachloroethane | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Tetrachloroethene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Toluene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2,3-Trichlorobenzene | EPA 8260B | 1110627 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2,4-Trichlorobenzene | EPA 8260B | 1110627 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1,1-Trichloroethane | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1,2-Trichloroethane | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Trichloroethene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Trichlorofluoromethane | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2,3-Trichloropropane | EPA 8260B | 1110627 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2,4-Trimethylbenzene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,3,5-Trimethylbenzene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Vinyl Acetate | EPA 8260B | 1110627 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Vinyl chloride | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Xylenes, Total | EPA 8260B | 1110627 | 1.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Freon 113 | EPA 8260B | 1110627 | 2.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Surrogate: Dibromofluoromethane (80-130%) | | | | 100 % | | | | |
| Surrogate: Toluene-d8 (80-120%) | | | | 100 % | | | | |
| Surrogate: 4-Bromofluorobenzene (80-125%) | | | | 101 % | | | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030

Report Number: PUI0649

Sampled: 09/12/11
Received: 09/12/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0649-04 (GW-EB1-3-091211 - Water) | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| Acetone | EPA 8260B | 1110627 | 10 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Benzene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Bromobenzene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Bromochloromethane | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Bromodichloromethane | EPA 8260B | 1110627 | 0.50 | 4.5 | 1 | 9/19/2011 | 9/19/2011 | |
| Bromoform | EPA 8260B | 1110627 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Bromomethane | EPA 8260B | 1110627 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 2-Butanone (MEK) | EPA 8260B | 1110627 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| n-Butylbenzene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| sec-Butylbenzene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| tert-Butylbenzene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Carbon disulfide | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Carbon tetrachloride | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Chlorobenzene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Chloroethane | EPA 8260B | 1110627 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Chloroform | EPA 8260B | 1110627 | 0.50 | 9.2 | 1 | 9/19/2011 | 9/19/2011 | |
| Chloromethane | EPA 8260B | 1110627 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 2-Chlorotoluene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 4-Chlorotoluene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Dibromochloromethane | EPA 8260B | 1110627 | 0.50 | 2.1 | 1 | 9/19/2011 | 9/19/2011 | L3 |
| 1,2-Dibromo-3-chloropropane | EPA 8260B | 1110627 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dibromoethane (EDB) | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Dibromomethane | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dichlorobenzene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,3-Dichlorobenzene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,4-Dichlorobenzene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Dichlorodifluoromethane | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1-Dichloroethane | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dichloroethane | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1-Dichloroethene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| cis-1,2-Dichloroethene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| trans-1,2-Dichloroethene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dichloropropane | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,3-Dichloropropane | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 2,2-Dichloropropane | EPA 8260B | 1110627 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1-Dichloropropene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| cis-1,3-Dichloropropene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| trans-1,3-Dichloropropene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Ethylbenzene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Hexachlorobutadiene | EPA 8260B | 1110627 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030

Report Number: PUI0649

Sampled: 09/12/11

Received: 09/12/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0649-04 (GW-EB1-3-091211 - Water) - cont. | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| 2-Hexanone | EPA 8260B | 1110627 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Iodomethane | EPA 8260B | 1110627 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | L3 |
| Isopropylbenzene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| p-Isopropyltoluene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Methylene Chloride | EPA 8260B | 1110627 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 4-Methyl-2-pentanone (MIBK) | EPA 8260B | 1110627 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Methyl-tert-butyl Ether (MTBE) | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Naphthalene | EPA 8260B | 1110627 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| n-Propylbenzene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Styrene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1,1,2-Tetrachloroethane | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1,2,2-Tetrachloroethane | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Tetrachloroethene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Toluene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2,3-Trichlorobenzene | EPA 8260B | 1110627 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2,4-Trichlorobenzene | EPA 8260B | 1110627 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1,1-Trichloroethane | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1,2-Trichloroethane | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Trichloroethene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Trichlorofluoromethane | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2,3-Trichloropropane | EPA 8260B | 1110627 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2,4-Trimethylbenzene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,3,5-Trimethylbenzene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Vinyl Acetate | EPA 8260B | 1110627 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Vinyl chloride | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Xylenes, Total | EPA 8260B | 1110627 | 1.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Freon 113 | EPA 8260B | 1110627 | 2.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Surrogate: Dibromofluoromethane (80-130%) | | | | | | | | 100 % |
| Surrogate: Toluene-d8 (80-120%) | | | | | | | | 98 % |
| Surrogate: 4-Bromofluorobenzene (80-125%) | | | | | | | | 102 % |

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030

Report Number: PUI0649

Sampled: 09/12/11

Received: 09/12/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0649-05 (BE-MW-8-S-091211 - Water) | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| Acetone | EPA 8260B | 11I0699 | 10 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Benzene | EPA 8260B | 11I0699 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Bromobenzene | EPA 8260B | 11I0699 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Bromochloromethane | EPA 8260B | 11I0699 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Bromodichloromethane | EPA 8260B | 11I0699 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Bromoform | EPA 8260B | 11I0699 | 1.0 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Bromomethane | EPA 8260B | 11I0699 | 1.0 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 2-Butanone (MEK) | EPA 8260B | 11I0699 | 2.5 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| n-Butylbenzene | EPA 8260B | 11I0699 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| sec-Butylbenzene | EPA 8260B | 11I0699 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| tert-Butylbenzene | EPA 8260B | 11I0699 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Carbon disulfide | EPA 8260B | 11I0699 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Carbon tetrachloride | EPA 8260B | 11I0699 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Chlorobenzene | EPA 8260B | 11I0699 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Chloroethane | EPA 8260B | 11I0699 | 1.0 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Chloroform | EPA 8260B | 11I0699 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Chloromethane | EPA 8260B | 11I0699 | 1.0 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 2-Chlorotoluene | EPA 8260B | 11I0699 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 4-Chlorotoluene | EPA 8260B | 11I0699 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Dibromochloromethane | EPA 8260B | 11I0699 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,2-Dibromo-3-chloropropane | EPA 8260B | 11I0699 | 2.5 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,2-Dibromoethane (EDB) | EPA 8260B | 11I0699 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Dibromomethane | EPA 8260B | 11I0699 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,2-Dichlorobenzene | EPA 8260B | 11I0699 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,3-Dichlorobenzene | EPA 8260B | 11I0699 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,4-Dichlorobenzene | EPA 8260B | 11I0699 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Dichlorodifluoromethane | EPA 8260B | 11I0699 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,1-Dichloroethane | EPA 8260B | 11I0699 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,2-Dichloroethane | EPA 8260B | 11I0699 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,1-Dichloroethene | EPA 8260B | 11I0699 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| cis-1,2-Dichloroethene | EPA 8260B | 11I0699 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| trans-1,2-Dichloroethene | EPA 8260B | 11I0699 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,2-Dichloropropane | EPA 8260B | 11I0699 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,3-Dichloropropane | EPA 8260B | 11I0699 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 2,2-Dichloropropane | EPA 8260B | 11I0699 | 1.0 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,1-Dichloropropene | EPA 8260B | 11I0699 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| cis-1,3-Dichloropropene | EPA 8260B | 11I0699 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| trans-1,3-Dichloropropene | EPA 8260B | 11I0699 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Ethylbenzene | EPA 8260B | 11I0699 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Hexachlorobutadiene | EPA 8260B | 11I0699 | 1.0 | ND | 1 | 9/20/2011 | 9/20/2011 | |

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030

Report Number: PUI0649

Sampled: 09/12/11
Received: 09/12/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0649-05 (BE-MW-8-S-091211 - Water) - cont. | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| 2-Hexanone | EPA 8260B | 1110699 | 2.5 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Iodomethane | EPA 8260B | 1110699 | 2.5 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Isopropylbenzene | EPA 8260B | 1110699 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| p-Isopropyltoluene | EPA 8260B | 1110699 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Methylene Chloride | EPA 8260B | 1110699 | 1.0 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 4-Methyl-2-pentanone (MIBK) | EPA 8260B | 1110699 | 2.5 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Methyl-tert-butyl Ether (MTBE) | EPA 8260B | 1110699 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Naphthalene | EPA 8260B | 1110699 | 2.5 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| n-Propylbenzene | EPA 8260B | 1110699 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Styrene | EPA 8260B | 1110699 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,1,1,2-Tetrachloroethane | EPA 8260B | 1110699 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,1,2,2-Tetrachloroethane | EPA 8260B | 1110699 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Tetrachloroethene | EPA 8260B | 1110699 | 0.50 | 5.2 | 1 | 9/20/2011 | 9/20/2011 | |
| Toluene | EPA 8260B | 1110699 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,2,3-Trichlorobenzene | EPA 8260B | 1110699 | 1.0 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,2,4-Trichlorobenzene | EPA 8260B | 1110699 | 1.0 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,1,1-Trichloroethane | EPA 8260B | 1110699 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,1,2-Trichloroethane | EPA 8260B | 1110699 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Trichloroethene | EPA 8260B | 1110699 | 0.50 | 0.61 | 1 | 9/20/2011 | 9/20/2011 | |
| Trichlorofluoromethane | EPA 8260B | 1110699 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,2,3-Trichloropropane | EPA 8260B | 1110699 | 1.0 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,2,4-Trimethylbenzene | EPA 8260B | 1110699 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,3,5-Trimethylbenzene | EPA 8260B | 1110699 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Vinyl Acetate | EPA 8260B | 1110699 | 1.0 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Vinyl chloride | EPA 8260B | 1110699 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Xylenes, Total | EPA 8260B | 1110699 | 1.5 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Freon 113 | EPA 8260B | 1110699 | 2.0 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Surrogate: Dibromofluoromethane (80-130%) | | | | | | | | 101 % |
| Surrogate: Toluene-d8 (80-120%) | | | | | | | | 100 % |
| Surrogate: 4-Bromofluorobenzene (80-125%) | | | | | | | | 101 % |

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030

Report Number: PUI0649

Sampled: 09/12/11
Received: 09/12/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0649-06 (GW-L1-3-091211 - Water) | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| Acetone | EPA 8260B | 11I0627 | 10 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Benzene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Bromobenzene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Bromochloromethane | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Bromodichloromethane | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Bromoform | EPA 8260B | 11I0627 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Bromomethane | EPA 8260B | 11I0627 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 2-Butanone (MEK) | EPA 8260B | 11I0627 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| n-Butylbenzene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| sec-Butylbenzene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| tert-Butylbenzene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Carbon disulfide | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Carbon tetrachloride | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Chlorobenzene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Chloroethane | EPA 8260B | 11I0627 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Chloroform | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Chloromethane | EPA 8260B | 11I0627 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 2-Chlorotoluene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 4-Chlorotoluene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Dibromochloromethane | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | L3 |
| 1,2-Dibromo-3-chloropropane | EPA 8260B | 11I0627 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dibromoethane (EDB) | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Dibromomethane | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dichlorobenzene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,3-Dichlorobenzene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,4-Dichlorobenzene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Dichlorodifluoromethane | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1-Dichloroethane | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dichloroethane | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1-Dichloroethene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| cis-1,2-Dichloroethene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| trans-1,2-Dichloroethene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dichloropropane | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,3-Dichloropropane | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 2,2-Dichloropropane | EPA 8260B | 11I0627 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1-Dichloropropene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| cis-1,3-Dichloropropene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| trans-1,3-Dichloropropene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Ethylbenzene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Hexachlorobutadiene | EPA 8260B | 11I0627 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
 7272 E. Indian School Rd., Ste. 100
 Scottsdale, AZ 85251
 Attention: Jason Hilker

Project ID: 0096498.030

Report Number: PUI0649

Sampled: 09/12/11
 Received: 09/12/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0649-06 (GW-L1-3-091211 - Water) - cont. | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| 2-Hexanone | EPA 8260B | 1110627 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Iodomethane | EPA 8260B | 1110627 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | L3 |
| Isopropylbenzene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| p-Isopropyltoluene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Methylene Chloride | EPA 8260B | 1110627 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 4-Methyl-2-pentanone (MIBK) | EPA 8260B | 1110627 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Methyl-tert-butyl Ether (MTBE) | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Naphthalene | EPA 8260B | 1110627 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| n-Propylbenzene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Styrene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1,1,2-Tetrachloroethane | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1,2,2-Tetrachloroethane | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Tetrachloroethene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Toluene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2,3-Trichlorobenzene | EPA 8260B | 1110627 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2,4-Trichlorobenzene | EPA 8260B | 1110627 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1,1-Trichloroethane | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1,2-Trichloroethane | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Trichloroethene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Trichlorofluoromethane | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2,3-Trichloropropane | EPA 8260B | 1110627 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2,4-Trimethylbenzene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,3,5-Trimethylbenzene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Vinyl Acetate | EPA 8260B | 1110627 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Vinyl chloride | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Xylenes, Total | EPA 8260B | 1110627 | 1.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Freon 113 | EPA 8260B | 1110627 | 2.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Surrogate: Dibromofluoromethane (80-130%) | | | | 98 % | | | | |
| Surrogate: Toluene-d8 (80-120%) | | | | 98 % | | | | |
| Surrogate: 4-Bromofluorobenzene (80-125%) | | | | 100 % | | | | |

TestAmerica Phoenix

Kylie Emily
 Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030
Report Number: PUI0649

Sampled: 09/12/11
Received: 09/12/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0649-07 (GW-R1-1-091211 - Water) | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| Acetone | EPA 8260B | 11I0627 | 10 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Benzene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Bromobenzene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Bromochloromethane | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Bromodichloromethane | EPA 8260B | 11I0627 | 0.50 | 4.7 | 1 | 9/19/2011 | 9/19/2011 | |
| Bromoform | EPA 8260B | 11I0627 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Bromomethane | EPA 8260B | 11I0627 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 2-Butanone (MEK) | EPA 8260B | 11I0627 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| n-Butylbenzene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| sec-Butylbenzene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| tert-Butylbenzene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Carbon disulfide | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Carbon tetrachloride | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Chlorobenzene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Chloroethane | EPA 8260B | 11I0627 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Chloroform | EPA 8260B | 11I0627 | 0.50 | 9.3 | 1 | 9/19/2011 | 9/19/2011 | |
| Chloromethane | EPA 8260B | 11I0627 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 2-Chlorotoluene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 4-Chlorotoluene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Dibromochloromethane | EPA 8260B | 11I0627 | 0.50 | 2.1 | 1 | 9/19/2011 | 9/19/2011 | L3 |
| 1,2-Dibromo-3-chloropropane | EPA 8260B | 11I0627 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dibromoethane (EDB) | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Dibromomethane | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dichlorobenzene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,3-Dichlorobenzene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,4-Dichlorobenzene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Dichlorodifluoromethane | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1-Dichloroethane | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dichloroethane | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1-Dichloroethene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| cis-1,2-Dichloroethene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| trans-1,2-Dichloroethene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dichloropropane | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,3-Dichloropropane | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 2,2-Dichloropropane | EPA 8260B | 11I0627 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1-Dichloropropene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| cis-1,3-Dichloropropene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| trans-1,3-Dichloropropene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Ethylbenzene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Hexachlorobutadiene | EPA 8260B | 11I0627 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |

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Kylie Emily
Project Manager

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7272 E. Indian School Rd., Ste. 100
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Attention: Jason Hilker

Project ID: 0096498.030

Report Number: PUI0649

Sampled: 09/12/11
Received: 09/12/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0649-07 (GW-R1-1-091211 - Water) - cont. | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| 2-Hexanone | EPA 8260B | 1110627 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Iodomethane | EPA 8260B | 1110627 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | L3 |
| Isopropylbenzene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| p-Isopropyltoluene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Methylene Chloride | EPA 8260B | 1110627 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 4-Methyl-2-pentanone (MIBK) | EPA 8260B | 1110627 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Methyl-tert-butyl Ether (MTBE) | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Naphthalene | EPA 8260B | 1110627 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| n-Propylbenzene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Styrene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1,1,2-Tetrachloroethane | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1,2,2-Tetrachloroethane | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Tetrachloroethene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Toluene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2,3-Trichlorobenzene | EPA 8260B | 1110627 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2,4-Trichlorobenzene | EPA 8260B | 1110627 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1,1-Trichloroethane | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1,2-Trichloroethane | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Trichloroethene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Trichlorofluoromethane | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2,3-Trichloropropane | EPA 8260B | 1110627 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2,4-Trimethylbenzene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,3,5-Trimethylbenzene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Vinyl Acetate | EPA 8260B | 1110627 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Vinyl chloride | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Xylenes, Total | EPA 8260B | 1110627 | 1.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Freon 113 | EPA 8260B | 1110627 | 2.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Surrogate: Dibromofluoromethane (80-130%) | | | | | | | | 103 % |
| Surrogate: Toluene-d8 (80-120%) | | | | | | | | 100 % |
| Surrogate: 4-Bromofluorobenzene (80-125%) | | | | | | | | 103 % |

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030

Report Number: PUI0649

Sampled: 09/12/11

Received: 09/12/11

1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0649-01 (OU3-6D-D-091211 - Water) | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| 1,4-Dioxane | EPA 8270C | 11I0480 | 1.0 | ND | 1 | 9/14/2011 | 9/15/2011 | |
| Surrogate: 1,4-Dioxane-d8 (38.6-88.3%) | | | | 68 % | | | | |
| Surrogate: Nitrobenzene-d5 (59.9-120%) | | | | 90 % | | | | |
| Sample ID: PUI0649-02 (OU3-6M-M-091211 - Water) | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| 1,4-Dioxane | EPA 8270C | 11I0480 | 1.0 | ND | 1 | 9/14/2011 | 9/15/2011 | |
| Surrogate: 1,4-Dioxane-d8 (38.6-88.3%) | | | | 65 % | | | | |
| Surrogate: Nitrobenzene-d5 (59.9-120%) | | | | 86 % | | | | |
| Sample ID: PUI0649-03 (OU3-1D-D-091211 - Water) | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| 1,4-Dioxane | EPA 8270C | 11I0480 | 1.0 | ND | 1 | 9/14/2011 | 9/15/2011 | |
| Surrogate: 1,4-Dioxane-d8 (38.6-88.3%) | | | | 71 % | | | | |
| Surrogate: Nitrobenzene-d5 (59.9-120%) | | | | 93 % | | | | |
| Sample ID: PUI0649-04 (GW-EB1-3-091211 - Water) | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| 1,4-Dioxane | EPA 8270C | 11I0480 | 1.0 | ND | 1 | 9/14/2011 | 9/15/2011 | |
| Surrogate: 1,4-Dioxane-d8 (38.6-88.3%) | | | | 70 % | | | | |
| Surrogate: Nitrobenzene-d5 (59.9-120%) | | | | 97 % | | | | |
| Sample ID: PUI0649-05 (BE-MW-8-S-091211 - Water) | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| 1,4-Dioxane | EPA 8270C | 11I0480 | 1.0 | ND | 1 | 9/14/2011 | 9/15/2011 | |
| Surrogate: 1,4-Dioxane-d8 (38.6-88.3%) | | | | 62 % | | | | |
| Surrogate: Nitrobenzene-d5 (59.9-120%) | | | | 86 % | | | | |
| Sample ID: PUI0649-07 (GW-R1-1-091211 - Water) | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| 1,4-Dioxane | EPA 8270C | 11I0480 | 1.0 | ND | 1 | 9/14/2011 | 9/15/2011 | |
| Surrogate: 1,4-Dioxane-d8 (38.6-88.3%) | | | | 74 % | | | | |
| Surrogate: Nitrobenzene-d5 (59.9-120%) | | | | 99 % | | | | |

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Attention: Jason Hilker

Project ID: 0096498.030
Report Number: PUI0649

Sampled: 09/12/11
Received: 09/12/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-----------------|
| Batch: 1110627 Extracted: 09/19/11 | | | | | | | | | | |
| Blank Analyzed: 09/19/2011 (1110627-BLK1) | | | | | | | | | | |
| Acetone | ND | 10 | ug/l | | | | | | | |
| Benzene | ND | 0.50 | ug/l | | | | | | | |
| Bromobenzene | ND | 0.50 | ug/l | | | | | | | |
| Bromochloromethane | ND | 0.50 | ug/l | | | | | | | |
| Bromodichloromethane | ND | 0.50 | ug/l | | | | | | | |
| Bromoform | ND | 1.0 | ug/l | | | | | | | |
| Bromomethane | ND | 1.0 | ug/l | | | | | | | |
| 2-Butanone (MEK) | ND | 2.5 | ug/l | | | | | | | |
| n-Butylbenzene | ND | 0.50 | ug/l | | | | | | | |
| sec-Butylbenzene | ND | 0.50 | ug/l | | | | | | | |
| tert-Butylbenzene | ND | 0.50 | ug/l | | | | | | | |
| Carbon disulfide | ND | 0.50 | ug/l | | | | | | | |
| Carbon tetrachloride | ND | 0.50 | ug/l | | | | | | | |
| Chlorobenzene | ND | 0.50 | ug/l | | | | | | | |
| Chloroethane | ND | 1.0 | ug/l | | | | | | | |
| Chloroform | ND | 0.50 | ug/l | | | | | | | |
| Chloromethane | ND | 1.0 | ug/l | | | | | | | |
| 2-Chlorotoluene | ND | 0.50 | ug/l | | | | | | | |
| 4-Chlorotoluene | ND | 0.50 | ug/l | | | | | | | |
| Dibromochloromethane | ND | 0.50 | ug/l | | | | | | | |
| 1,2-Dibromo-3-chloropropane | ND | 2.5 | ug/l | | | | | | | |
| 1,2-Dibromoethane (EDB) | ND | 0.50 | ug/l | | | | | | | |
| Dibromomethane | ND | 0.50 | ug/l | | | | | | | |
| 1,2-Dichlorobenzene | ND | 0.50 | ug/l | | | | | | | |
| 1,3-Dichlorobenzene | ND | 0.50 | ug/l | | | | | | | |
| 1,4-Dichlorobenzene | ND | 0.50 | ug/l | | | | | | | |
| Dichlorodifluoromethane | ND | 0.50 | ug/l | | | | | | | |
| 1,1-Dichloroethane | ND | 0.50 | ug/l | | | | | | | |
| 1,2-Dichloroethane | ND | 0.50 | ug/l | | | | | | | |
| 1,1-Dichloroethene | ND | 0.50 | ug/l | | | | | | | |
| cis-1,2-Dichloroethene | ND | 0.50 | ug/l | | | | | | | |
| trans-1,2-Dichloroethene | ND | 0.50 | ug/l | | | | | | | |
| 1,2-Dichloropropane | ND | 0.50 | ug/l | | | | | | | |
| 1,3-Dichloropropane | ND | 0.50 | ug/l | | | | | | | |
| 2,2-Dichloropropane | ND | 1.0 | ug/l | | | | | | | |

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Project ID: 0096498.030

Report Number: PUI0649

Sampled: 09/12/11
 Received: 09/12/11

METHOD BLANK/OC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | Limit | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------|-----------|-------|--------|-----------|-----------------|
| Batch: 1110627 Extracted: 09/19/11 | | | | | | | | | | |
| Blank Analyzed: 09/19/2011 (1110627-BLK1) | | | | | | | | | | |
| 1,1-Dichloropropene | ND | 0.50 | ug/l | | | | | | | |
| cis-1,3-Dichloropropene | ND | 0.50 | ug/l | | | | | | | |
| trans-1,3-Dichloropropene | ND | 0.50 | ug/l | | | | | | | |
| Ethylbenzene | ND | 0.50 | ug/l | | | | | | | |
| Hexachlorobutadiene | ND | 1.0 | ug/l | | | | | | | |
| 2-Hexanone | ND | 2.5 | ug/l | | | | | | | |
| Iodomethane | ND | 2.5 | ug/l | | | | | | | |
| Isopropylbenzene | ND | 0.50 | ug/l | | | | | | | |
| p-Isopropyltoluene | ND | 0.50 | ug/l | | | | | | | |
| Methylene Chloride | ND | 1.0 | ug/l | | | | | | | |
| 4-Methyl-2-pentanone (MIBK) | ND | 2.5 | ug/l | | | | | | | |
| Methyl-tert-butyl Ether (MTBE) | ND | 0.50 | ug/l | | | | | | | |
| Naphthalene | ND | 2.5 | ug/l | | | | | | | |
| n-Propylbenzene | ND | 0.50 | ug/l | | | | | | | |
| Styrene | ND | 0.50 | ug/l | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 0.50 | ug/l | | | | | | | |
| 1,1,2,2-Tetrachloroethane | ND | 0.50 | ug/l | | | | | | | |
| Tetrachloroethene | ND | 0.50 | ug/l | | | | | | | |
| Toluene | ND | 0.50 | ug/l | | | | | | | |
| 1,2,3-Trichlorobenzene | ND | 1.0 | ug/l | | | | | | | |
| 1,2,4-Trichlorobenzene | ND | 1.0 | ug/l | | | | | | | |
| 1,1,1-Trichloroethane | ND | 0.50 | ug/l | | | | | | | |
| 1,1,2-Trichloroethane | ND | 0.50 | ug/l | | | | | | | |
| Trichloroethene | ND | 0.50 | ug/l | | | | | | | |
| Trichlorofluoromethane | ND | 0.50 | ug/l | | | | | | | |
| 1,2,3-Trichloropropane | ND | 1.0 | ug/l | | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 0.50 | ug/l | | | | | | | |
| 1,3,5-Trimethylbenzene | ND | 0.50 | ug/l | | | | | | | |
| Vinyl Acetate | ND | 1.0 | ug/l | | | | | | | |
| Vinyl chloride | ND | 0.50 | ug/l | | | | | | | |
| Xylenes, Total | ND | 1.5 | ug/l | | | | | | | |
| Freon 113 | ND | 2.0 | ug/l | | | | | | | |
| Surrogate: Dibromofluoromethane | 24.3 | | ug/l | 25.0 | | 97 | | 80-130 | | |
| Surrogate: Toluene-d8 | 24.9 | | ug/l | 25.0 | | 100 | | 80-120 | | |
| Surrogate: 4-Bromofluorobenzene | 25.0 | | ug/l | 25.0 | | 100 | | 80-125 | | |

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Sampled: 09/12/11
 Received: 09/12/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-------|-------------|---------------|-----------|--------|-----|-----------|-----------------|
| Batch: 11I0627 Extracted: 09/19/11 | | | | | | | | | | |
| LCS Analyzed: 09/19/2011 (11I0627-BS1) | | | | | | | | | | |
| Acetone | 21.2 | 10 | ug/l | 25.0 | | 85 | 10-150 | | | |
| Benzene | 27.7 | 0.50 | ug/l | 25.0 | | 111 | 80-120 | | | |
| Bromobenzene | 28.5 | 0.50 | ug/l | 25.0 | | 114 | 80-120 | | | |
| Bromochloromethane | 26.7 | 0.50 | ug/l | 25.0 | | 107 | 80-125 | | | |
| Bromodichloromethane | 27.7 | 0.50 | ug/l | 25.0 | | 111 | 80-120 | | | |
| Bromoform | 26.8 | 1.0 | ug/l | 25.0 | | 107 | 75-130 | | | |
| Bromomethane | 23.2 | 1.0 | ug/l | 25.0 | | 93 | 55-150 | | | |
| 2-Butanone (MEK) | 23.3 | 2.5 | ug/l | 25.0 | | 93 | 40-150 | | | |
| n-Butylbenzene | 28.7 | 0.50 | ug/l | 25.0 | | 115 | 80-130 | | | |
| sec-Butylbenzene | 28.1 | 0.50 | ug/l | 25.0 | | 112 | 80-125 | | | |
| tert-Butylbenzene | 29.6 | 0.50 | ug/l | 25.0 | | 118 | 80-120 | | | |
| Carbon disulfide | 33.3 | 0.50 | ug/l | 25.0 | | 133 | 70-140 | | | |
| Carbon tetrachloride | 30.5 | 0.50 | ug/l | 25.0 | | 122 | 75-130 | | | |
| Chlorobenzene | 28.4 | 0.50 | ug/l | 25.0 | | 114 | 80-120 | | | |
| Chloroethane | 26.2 | 1.0 | ug/l | 25.0 | | 105 | 70-130 | | | |
| Chloroform | 26.2 | 0.50 | ug/l | 25.0 | | 105 | 75-120 | | | |
| Chloromethane | 22.6 | 1.0 | ug/l | 25.0 | | 90 | 60-140 | | | |
| 2-Chlorotoluene | 27.8 | 0.50 | ug/l | 25.0 | | 111 | 80-120 | | | |
| 4-Chlorotoluene | 28.6 | 0.50 | ug/l | 25.0 | | 114 | 80-120 | | | |
| Dibromochloromethane | 30.3 | 0.50 | ug/l | 25.0 | | 121 | 80-120 | | | L3 |
| 1,2-Dibromo-3-chloropropane | 27.5 | 2.5 | ug/l | 25.0 | | 110 | 50-150 | | | |
| 1,2-Dibromoethane (EDB) | 27.2 | 0.50 | ug/l | 25.0 | | 109 | 80-120 | | | |
| Dibromomethane | 25.9 | 0.50 | ug/l | 25.0 | | 104 | 75-120 | | | |
| 1,2-Dichlorobenzene | 28.8 | 0.50 | ug/l | 25.0 | | 115 | 80-120 | | | |
| 1,3-Dichlorobenzene | 28.3 | 0.50 | ug/l | 25.0 | | 113 | 80-120 | | | |
| 1,4-Dichlorobenzene | 28.4 | 0.50 | ug/l | 25.0 | | 113 | 80-120 | | | |
| Dichlorodifluoromethane | 28.2 | 0.50 | ug/l | 25.0 | | 113 | 60-150 | | | |
| 1,1-Dichloroethane | 27.7 | 0.50 | ug/l | 25.0 | | 111 | 70-125 | | | |
| 1,2-Dichloroethane | 27.0 | 0.50 | ug/l | 25.0 | | 108 | 75-130 | | | |
| 1,1-Dichloroethene | 28.2 | 0.50 | ug/l | 25.0 | | 113 | 75-125 | | | |
| cis-1,2-Dichloroethene | 25.3 | 0.50 | ug/l | 25.0 | | 101 | 80-120 | | | |
| trans-1,2-Dichloroethene | 27.4 | 0.50 | ug/l | 25.0 | | 109 | 80-120 | | | |
| 1,2-Dichloropropane | 27.2 | 0.50 | ug/l | 25.0 | | 109 | 80-120 | | | |
| 1,3-Dichloropropane | 26.1 | 0.50 | ug/l | 25.0 | | 104 | 80-120 | | | |
| 2,2-Dichloropropane | 29.1 | 1.0 | ug/l | 25.0 | | 116 | 75-130 | | | |

TestAmerica Phoenix

Kylie Emily
 Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030

Report Number: PUI0649

Sampled: 09/12/11
Received: 09/12/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-----------------|
| Batch: 1110627 Extracted: 09/19/11 | | | | | | | | | | |
| LCS Analyzed: 09/19/2011 (1110627-BS1) | | | | | | | | | | |
| 1,1-Dichloropropene | 28.0 | 0.50 | ug/l | 25.0 | | 112 | 75-120 | | | |
| cis-1,3-Dichloropropene | 29.0 | 0.50 | ug/l | 25.0 | | 116 | 80-120 | | | |
| trans-1,3-Dichloropropene | 28.9 | 0.50 | ug/l | 25.0 | | 115 | 80-125 | | | |
| Ethylbenzene | 27.9 | 0.50 | ug/l | 25.0 | | 112 | 80-120 | | | |
| Hexachlorobutadiene | 29.5 | 1.0 | ug/l | 25.0 | | 118 | 40-150 | | | |
| 2-Hexanone | 26.1 | 2.5 | ug/l | 25.0 | | 105 | 20-150 | | | |
| Iodomethane | 32.9 | 2.5 | ug/l | 25.0 | | 132 | 80-130 | | | L3 |
| Isopropylbenzene | 30.6 | 0.50 | ug/l | 25.0 | | 123 | 80-130 | | | |
| p-Isopropyltoluene | 29.3 | 0.50 | ug/l | 25.0 | | 117 | 80-130 | | | |
| Methylene Chloride | 24.4 | 1.0 | ug/l | 25.0 | | 98 | 70-120 | | | |
| 4-Methyl-2-pentanone (MIBK) | 27.0 | 2.5 | ug/l | 25.0 | | 108 | 60-135 | | | |
| Methyl-tert-butyl Ether (MTBE) | 25.5 | 0.50 | ug/l | 25.0 | | 102 | 70-130 | | | |
| Naphthalene | 30.5 | 2.5 | ug/l | 25.0 | | 122 | 40-150 | | | |
| n-Propylbenzene | 29.3 | 0.50 | ug/l | 25.0 | | 117 | 75-130 | | | |
| Styrene | 27.0 | 0.50 | ug/l | 25.0 | | 108 | 80-120 | | | |
| 1,1,1,2-Tetrachloroethane | 28.9 | 0.50 | ug/l | 25.0 | | 116 | 75-125 | | | |
| 1,1,2,2-Tetrachloroethane | 26.6 | 0.50 | ug/l | 25.0 | | 106 | 80-120 | | | |
| Tetrachloroethene | 29.3 | 0.50 | ug/l | 25.0 | | 117 | 70-130 | | | |
| Toluene | 26.9 | 0.50 | ug/l | 25.0 | | 108 | 80-120 | | | |
| 1,2,3-Trichlorobenzene | 29.5 | 1.0 | ug/l | 25.0 | | 118 | 55-150 | | | |
| 1,2,4-Trichlorobenzene | 29.6 | 1.0 | ug/l | 25.0 | | 118 | 50-150 | | | |
| 1,1,1-Trichloroethane | 28.6 | 0.50 | ug/l | 25.0 | | 115 | 75-125 | | | |
| 1,1,2-Trichloroethane | 26.3 | 0.50 | ug/l | 25.0 | | 105 | 80-120 | | | |
| Trichloroethene | 27.7 | 0.50 | ug/l | 25.0 | | 111 | 80-120 | | | |
| Trichlorofluoromethane | 29.1 | 0.50 | ug/l | 25.0 | | 116 | 70-150 | | | |
| 1,2,3-Trichloropropane | 27.6 | 1.0 | ug/l | 25.0 | | 110 | 70-130 | | | |
| 1,2,4-Trimethylbenzene | 28.1 | 0.50 | ug/l | 25.0 | | 112 | 80-120 | | | |
| 1,3,5-Trimethylbenzene | 29.3 | 0.50 | ug/l | 25.0 | | 117 | 80-130 | | | |
| Vinyl Acetate | 28.7 | 1.0 | ug/l | 25.0 | | 115 | 40-150 | | | |
| Vinyl chloride | 24.5 | 0.50 | ug/l | 25.0 | | 98 | 70-130 | | | |
| Xylenes, Total | 52.7 | 1.5 | ug/l | 50.0 | | 105 | 60-140 | | | |
| Freon 113 | 29.9 | 2.0 | ug/l | 25.0 | | 120 | 60-140 | | | |
| Surrogate: Dibromofluoromethane | 24.0 | | ug/l | 25.0 | | 96 | 80-130 | | | |
| Surrogate: Toluene-d8 | 25.0 | | ug/l | 25.0 | | 100 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 23.8 | | ug/l | 25.0 | | 95 | 80-125 | | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030

Report Number: PUI0649

Sampled: 09/12/11
Received: 09/12/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------|-----------|-------------|---------|-----------|-----------------|
| Batch: 11I0627 Extracted: 09/19/11 | | | | | | | | | | |
| LCS Dup Analyzed: 09/19/2011 (11I0627-BSD1) | | | | | | | | | | |
| Acetone | 19.4 | 10 | ug/l | 25.0 | | 78 | 10-150 | 9 | 35 | |
| Benzene | 24.4 | 0.50 | ug/l | 25.0 | | 98 | 80-120 | 13 | 15 | |
| Bromobenzene | 25.4 | 0.50 | ug/l | 25.0 | | 102 | 80-120 | 12 | 15 | |
| Bromochloromethane | 24.3 | 0.50 | ug/l | 25.0 | | 97 | 80-125 | 9 | 15 | |
| Bromodichloromethane | 24.7 | 0.50 | ug/l | 25.0 | | 99 | 80-120 | 11 | 15 | |
| Bromoform | 25.1 | 1.0 | ug/l | 25.0 | | 100 | 75-130 | 7 | 20 | |
| Bromomethane | 21.1 | 1.0 | ug/l | 25.0 | | 85 | 55-150 | 9 | 20 | |
| 2-Butanone (MEK) | 22.0 | 2.5 | ug/l | 25.0 | | 88 | 40-150 | 6 | 35 | |
| n-Butylbenzene | 24.8 | 0.50 | ug/l | 25.0 | | 99 | 80-130 | 15 | 15 | |
| sec-Butylbenzene | 24.5 | 0.50 | ug/l | 25.0 | | 98 | 80-125 | 14 | 15 | |
| tert-Butylbenzene | 25.9 | 0.50 | ug/l | 25.0 | | 104 | 80-120 | 13 | 15 | |
| Carbon disulfide | 29.8 | 0.50 | ug/l | 25.0 | | 119 | 70-140 | 11 | 15 | |
| Carbon tetrachloride | 27.4 | 0.50 | ug/l | 25.0 | | 110 | 75-130 | 11 | 20 | |
| Chlorobenzene | 25.1 | 0.50 | ug/l | 25.0 | | 100 | 80-120 | 13 | 15 | |
| Chloroethane | 23.9 | 1.0 | ug/l | 25.0 | | 95 | 70-130 | 9 | 15 | |
| Chloroform | 23.3 | 0.50 | ug/l | 25.0 | | 93 | 75-120 | 12 | 15 | |
| Chloromethane | 20.4 | 1.0 | ug/l | 25.0 | | 82 | 60-140 | 10 | 20 | |
| 2-Chlorotoluene | 24.0 | 0.50 | ug/l | 25.0 | | 96 | 80-120 | 14 | 15 | |
| 4-Chlorotoluene | 24.9 | 0.50 | ug/l | 25.0 | | 99 | 80-120 | 14 | 15 | |
| Dibromochloromethane | 27.7 | 0.50 | ug/l | 25.0 | | 111 | 80-120 | 9 | 15 | |
| 1,2-Dibromo-3-chloropropane | 26.1 | 2.5 | ug/l | 25.0 | | 105 | 50-150 | 5 | 35 | |
| 1,2-Dibromoethane (EDB) | 25.5 | 0.50 | ug/l | 25.0 | | 102 | 80-120 | 7 | 15 | |
| Dibromomethane | 23.9 | 0.50 | ug/l | 25.0 | | 96 | 75-120 | 8 | 15 | |
| 1,2-Dichlorobenzene | 25.9 | 0.50 | ug/l | 25.0 | | 104 | 80-120 | 11 | 15 | |
| 1,3-Dichlorobenzene | 24.6 | 0.50 | ug/l | 25.0 | | 98 | 80-120 | 14 | 15 | |
| 1,4-Dichlorobenzene | 25.2 | 0.50 | ug/l | 25.0 | | 101 | 80-120 | 12 | 15 | |
| Dichlorodifluoromethane | 25.7 | 0.50 | ug/l | 25.0 | | 103 | 60-150 | 9 | 30 | |
| 1,1-Dichloroethane | 24.4 | 0.50 | ug/l | 25.0 | | 98 | 70-125 | 12 | 15 | |
| 1,2-Dichloroethane | 24.0 | 0.50 | ug/l | 25.0 | | 96 | 75-130 | 12 | 15 | |
| 1,1-Dichloroethene | 25.2 | 0.50 | ug/l | 25.0 | | 101 | 75-125 | 11 | 20 | |
| cis-1,2-Dichloroethene | 22.2 | 0.50 | ug/l | 25.0 | | 89 | 80-120 | 13 | 15 | |
| trans-1,2-Dichloroethene | 24.2 | 0.50 | ug/l | 25.0 | | 97 | 80-120 | 12 | 15 | |
| 1,2-Dichloropropane | 24.0 | 0.50 | ug/l | 25.0 | | 96 | 80-120 | 12 | 15 | |
| 1,3-Dichloropropane | 23.9 | 0.50 | ug/l | 25.0 | | 96 | 80-120 | 9 | 15 | |
| 2,2-Dichloropropane | 25.0 | 1.0 | ug/l | 25.0 | | 100 | 75-130 | 15 | 15 | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030

Report Number: PUI0649

Sampled: 09/12/11

Received: 09/12/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------|-----------|-------------|-----|-----------|-----------------|
| Batch: 1110627 Extracted: 09/19/11 | | | | | | | | | | |
| LCS Dup Analyzed: 09/19/2011 (1110627-BSD1) | | | | | | | | | | |
| 1,1-Dichloropropene | 25.0 | 0.50 | ug/l | 25.0 | 100 | 75-120 | 11 | 15 | | |
| cis-1,3-Dichloropropene | 26.0 | 0.50 | ug/l | 25.0 | 104 | 80-120 | 11 | 15 | | |
| trans-1,3-Dichloropropene | 26.4 | 0.50 | ug/l | 25.0 | 106 | 80-125 | 9 | 15 | | |
| Ethylbenzene | 24.6 | 0.50 | ug/l | 25.0 | 99 | 80-120 | 13 | 15 | | |
| Hexachlorobutadiene | 25.7 | 1.0 | ug/l | 25.0 | 103 | 40-150 | 14 | 35 | | |
| 2-Hexanone | 25.0 | 2.5 | ug/l | 25.0 | 100 | 20-150 | 5 | 35 | | |
| Iodomethane | 29.6 | 2.5 | ug/l | 25.0 | 118 | 80-130 | 11 | 10 | | R6 |
| Isopropylbenzene | 26.7 | 0.50 | ug/l | 25.0 | 107 | 80-130 | 14 | 15 | | |
| p-Isopropyltoluene | 25.2 | 0.50 | ug/l | 25.0 | 101 | 80-130 | 15 | 15 | | |
| Methylene Chloride | 22.0 | 1.0 | ug/l | 25.0 | 88 | 70-120 | 10 | 15 | | |
| 4-Methyl-2-pentanone (MIBK) | 25.8 | 2.5 | ug/l | 25.0 | 103 | 60-135 | 5 | 25 | | |
| Methyl-tert-butyl Ether (MTBE) | 23.5 | 0.50 | ug/l | 25.0 | 94 | 70-130 | 8 | 20 | | |
| Naphthalene | 29.2 | 2.5 | ug/l | 25.0 | 117 | 40-150 | 4 | 30 | | |
| n-Propylbenzene | 25.4 | 0.50 | ug/l | 25.0 | 102 | 75-130 | 14 | 15 | | |
| Styrene | 24.0 | 0.50 | ug/l | 25.0 | 96 | 80-120 | 11 | 15 | | |
| 1,1,1,2-Tetrachloroethane | 26.2 | 0.50 | ug/l | 25.0 | 105 | 75-125 | 10 | 15 | | |
| 1,1,2,2-Tetrachloroethane | 24.4 | 0.50 | ug/l | 25.0 | 97 | 80-120 | 9 | 20 | | |
| Tetrachloroethene | 26.2 | 0.50 | ug/l | 25.0 | 105 | 70-130 | 11 | 20 | | |
| Toluene | 23.8 | 0.50 | ug/l | 25.0 | 95 | 80-120 | 12 | 15 | | |
| 1,2,3-Trichlorobenzene | 27.7 | 1.0 | ug/l | 25.0 | 111 | 55-150 | 6 | 35 | | |
| 1,2,4-Trichlorobenzene | 27.2 | 1.0 | ug/l | 25.0 | 109 | 50-150 | 8 | 30 | | |
| 1,1,1-Trichloroethane | 25.4 | 0.50 | ug/l | 25.0 | 102 | 75-125 | 12 | 15 | | |
| 1,1,2-Trichloroethane | 24.1 | 0.50 | ug/l | 25.0 | 96 | 80-120 | 9 | 15 | | |
| Trichloroethene | 24.3 | 0.50 | ug/l | 25.0 | 97 | 80-120 | 13 | 15 | | |
| Trichlorofluoromethane | 26.5 | 0.50 | ug/l | 25.0 | 106 | 70-150 | 9 | 25 | | |
| 1,2,3-Trichloropropane | 25.5 | 1.0 | ug/l | 25.0 | 102 | 70-130 | 8 | 20 | | |
| 1,2,4-Trimethylbenzene | 24.3 | 0.50 | ug/l | 25.0 | 97 | 80-120 | 14 | 15 | | |
| 1,3,5-Trimethylbenzene | 25.5 | 0.50 | ug/l | 25.0 | 102 | 80-130 | 14 | 15 | | |
| Vinyl Acetate | 27.0 | 1.0 | ug/l | 25.0 | 108 | 40-150 | 6 | 25 | | |
| Vinyl chloride | 21.6 | 0.50 | ug/l | 25.0 | 86 | 70-130 | 13 | 20 | | |
| Xylenes, Total | 46.7 | 1.5 | ug/l | 50.0 | 93 | 60-140 | 12 | 15 | | |
| Freon 113 | 26.8 | 2.0 | ug/l | 25.0 | 107 | 60-140 | 11 | 15 | | |
| Surrogate: Dibromofluoromethane | 24.6 | | ug/l | 25.0 | 98 | 80-130 | | | | |
| Surrogate: Toluene-d8 | 24.7 | | ug/l | 25.0 | 99 | 80-120 | | | | |
| Surrogate: 4-Bromofluorobenzene | 24.3 | | ug/l | 25.0 | 97 | 80-125 | | | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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PUI0649 <Page 23 of 40>

Environmental Resources Management Inc.-West
 7272 E. Indian School Rd., Ste. 100
 Scottsdale, AZ 85251
 Attention: Jason Hilker

Project ID: 0096498.030

Report Number: PUI0649

Sampled: 09/12/11
 Received: 09/12/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------------------|------|-------------|-----|-----------|-----------------|
| Batch: 1110627 Extracted: 09/19/11 | | | | | | | | | | |
| Matrix Spike Analyzed: 09/19/2011 (1110627-MS1) | | | | | Source: PUI0649-01 | | | | | |
| Acetone | 15.3 | 10 | ug/l | 25.0 | ND | 61 | 10-150 | | | |
| Benzene | 23.6 | 0.50 | ug/l | 25.0 | ND | 94 | 70-125 | | | |
| Bromobenzene | 24.0 | 0.50 | ug/l | 25.0 | ND | 96 | 75-120 | | | |
| Bromochloromethane | 22.4 | 0.50 | ug/l | 25.0 | ND | 89 | 75-130 | | | |
| Bromodichloromethane | 23.0 | 0.50 | ug/l | 25.0 | ND | 92 | 75-125 | | | |
| Bromoform | 21.9 | 1.0 | ug/l | 25.0 | ND | 88 | 65-125 | | | |
| Bromomethane | 19.2 | 1.0 | ug/l | 25.0 | ND | 77 | 45-150 | | | |
| 2-Butanone (MEK) | 17.7 | 2.5 | ug/l | 25.0 | ND | 71 | 15-150 | | | |
| n-Butylbenzene | 25.0 | 0.50 | ug/l | 25.0 | ND | 100 | 70-130 | | | |
| sec-Butylbenzene | 24.7 | 0.50 | ug/l | 25.0 | ND | 99 | 70-125 | | | |
| tert-Butylbenzene | 25.8 | 0.50 | ug/l | 25.0 | ND | 103 | 70-125 | | | |
| Carbon disulfide | 28.4 | 0.50 | ug/l | 25.0 | ND | 114 | 65-145 | | | |
| Carbon tetrachloride | 27.2 | 0.50 | ug/l | 25.0 | ND | 109 | 65-135 | | | |
| Chlorobenzene | 24.0 | 0.50 | ug/l | 25.0 | ND | 96 | 75-120 | | | |
| Chloroethane | 22.0 | 1.0 | ug/l | 25.0 | ND | 88 | 65-140 | | | |
| Chloroform | 22.3 | 0.50 | ug/l | 25.0 | ND | 89 | 70-130 | | | |
| Chloromethane | 18.8 | 1.0 | ug/l | 25.0 | ND | 75 | 55-145 | | | |
| 2-Chlorotoluene | 23.6 | 0.50 | ug/l | 25.0 | ND | 94 | 70-125 | | | |
| 4-Chlorotoluene | 24.4 | 0.50 | ug/l | 25.0 | ND | 98 | 70-125 | | | |
| Dibromochloromethane | 24.4 | 0.50 | ug/l | 25.0 | ND | 98 | 70-130 | | | |
| 1,2-Dibromo-3-chloropropane | 22.8 | 2.5 | ug/l | 25.0 | ND | 91 | 50-150 | | | |
| 1,2-Dibromoethane (EDB) | 22.3 | 0.50 | ug/l | 25.0 | ND | 89 | 70-125 | | | |
| Dibromomethane | 21.9 | 0.50 | ug/l | 25.0 | ND | 87 | 70-120 | | | |
| 1,2-Dichlorobenzene | 24.2 | 0.50 | ug/l | 25.0 | ND | 97 | 75-120 | | | |
| 1,3-Dichlorobenzene | 23.7 | 0.50 | ug/l | 25.0 | ND | 95 | 75-120 | | | |
| 1,4-Dichlorobenzene | 24.4 | 0.50 | ug/l | 25.0 | ND | 97 | 70-125 | | | |
| Dichlorodifluoromethane | 24.4 | 0.50 | ug/l | 25.0 | ND | 98 | 60-150 | | | |
| 1,1-Dichloroethane | 23.4 | 0.50 | ug/l | 25.0 | ND | 93 | 70-130 | | | |
| 1,2-Dichloroethane | 22.0 | 0.50 | ug/l | 25.0 | ND | 88 | 65-140 | | | |
| 1,1-Dichloroethene | 24.5 | 0.50 | ug/l | 25.0 | ND | 98 | 70-130 | | | |
| cis-1,2-Dichloroethene | 21.6 | 0.50 | ug/l | 25.0 | ND | 86 | 70-125 | | | |
| trans-1,2-Dichloroethene | 23.7 | 0.50 | ug/l | 25.0 | ND | 95 | 75-125 | | | |
| 1,2-Dichloropropane | 22.6 | 0.50 | ug/l | 25.0 | ND | 90 | 75-125 | | | |
| 1,3-Dichloropropane | 21.5 | 0.50 | ug/l | 25.0 | ND | 86 | 70-120 | | | |
| 2,2-Dichloropropane | 24.0 | 1.0 | ug/l | 25.0 | ND | 96 | 65-140 | | | |

TestAmerica Phoenix

Kylie Emily
 Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030

Report Number: PUI0649

Sampled: 09/12/11

Received: 09/12/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------------------|-----------|-------------|-----|-----------|-----------------|
| Batch: 1110627 Extracted: 09/19/11 | | | | | | | | | | |
| Matrix Spike Analyzed: 09/19/2011 (1110627-MS1) | | | | | Source: PUI0649-01 | | | | | |
| 1,1-Dichloropropene | 24.5 | 0.50 | ug/l | 25.0 | ND | 98 | 65-130 | | | |
| cis-1,3-Dichloropropene | 24.6 | 0.50 | ug/l | 25.0 | ND | 98 | 75-130 | | | |
| trans-1,3-Dichloropropene | 23.7 | 0.50 | ug/l | 25.0 | ND | 95 | 70-130 | | | |
| Ethylbenzene | 24.0 | 0.50 | ug/l | 25.0 | ND | 96 | 70-125 | | | |
| Hexachlorobutadiene | 26.6 | 1.0 | ug/l | 25.0 | ND | 106 | 40-150 | | | |
| 2-Hexanone | 19.8 | 2.5 | ug/l | 25.0 | ND | 79 | 20-150 | | | |
| Iodomethane | 28.2 | 2.5 | ug/l | 25.0 | ND | 113 | 60-150 | | | |
| Isopropylbenzene | 26.4 | 0.50 | ug/l | 25.0 | ND | 106 | 75-130 | | | |
| p-Isopropyltoluene | 25.4 | 0.50 | ug/l | 25.0 | ND | 102 | 70-130 | | | |
| Methylene Chloride | 20.0 | 1.0 | ug/l | 25.0 | ND | 80 | 65-130 | | | |
| 4-Methyl-2-pentanone (MIBK) | 21.0 | 2.5 | ug/l | 25.0 | ND | 84 | 55-135 | | | |
| Methyl-tert-butyl Ether (MTBE) | 20.1 | 0.50 | ug/l | 25.0 | ND | 80 | 65-140 | | | |
| Naphthalene | 26.3 | 2.5 | ug/l | 25.0 | ND | 105 | 40-150 | | | |
| n-Propylbenzene | 25.6 | 0.50 | ug/l | 25.0 | ND | 102 | 70-130 | | | |
| Styrene | 20.7 | 0.50 | ug/l | 25.0 | ND | 83 | 55-135 | | | |
| 1,1,1,2-Tetrachloroethane | 24.7 | 0.50 | ug/l | 25.0 | ND | 99 | 70-125 | | | |
| 1,1,2,2-Tetrachloroethane | 21.3 | 0.50 | ug/l | 25.0 | ND | 85 | 70-125 | | | |
| Tetrachloroethene | 25.8 | 0.50 | ug/l | 25.0 | ND | 103 | 65-130 | | | |
| Toluene | 23.4 | 0.50 | ug/l | 25.0 | 0.280 | 93 | 70-125 | | | |
| 1,2,3-Trichlorobenzene | 26.0 | 1.0 | ug/l | 25.0 | ND | 104 | 50-150 | | | |
| 1,2,4-Trichlorobenzene | 26.1 | 1.0 | ug/l | 25.0 | ND | 104 | 50-150 | | | |
| 1,1,1-Trichloroethane | 24.9 | 0.50 | ug/l | 25.0 | ND | 99 | 70-130 | | | |
| 1,1,2-Trichloroethane | 21.3 | 0.50 | ug/l | 25.0 | ND | 85 | 75-125 | | | |
| Trichloroethene | 24.2 | 0.50 | ug/l | 25.0 | 0.370 | 96 | 70-125 | | | |
| Trichlorofluoromethane | 24.6 | 0.50 | ug/l | 25.0 | ND | 98 | 65-150 | | | |
| 1,2,3-Trichloropropane | 21.6 | 1.0 | ug/l | 25.0 | ND | 86 | 70-130 | | | |
| 1,2,4-Trimethylbenzene | 22.7 | 0.50 | ug/l | 25.0 | ND | 91 | 70-125 | | | |
| 1,3,5-Trimethylbenzene | 24.7 | 0.50 | ug/l | 25.0 | ND | 99 | 75-130 | | | |
| Vinyl Acetate | 23.3 | 1.0 | ug/l | 25.0 | ND | 93 | 40-150 | | | |
| Vinyl chloride | 21.6 | 0.50 | ug/l | 25.0 | ND | 86 | 60-140 | | | |
| Xylenes, Total | 44.8 | 1.5 | ug/l | 50.0 | ND | 90 | 75-120 | | | |
| Freon 113 | 26.3 | 2.0 | ug/l | 25.0 | ND | 105 | 65-140 | | | |
| Surrogate: Dibromofluoromethane | 24.3 | | ug/l | 25.0 | | 97 | 80-130 | | | |
| Surrogate: Toluene-d8 | 25.0 | | ug/l | 25.0 | | 100 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 23.7 | | ug/l | 25.0 | | 95 | 80-125 | | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030
Report Number: PUI0649

Sampled: 09/12/11
Received: 09/12/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | Limit | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-------|-------------|---------------------------|-----------|--------|------|-----------|-----------------|
| Batch: 1110627 Extracted: 09/19/11 | | | | | | | | | | |
| Matrix Spike Dup Analyzed: 09/19/2011 (1110627-MSD1) | | | | | Source: PUI0649-01 | | | | | |
| Acetone | 17.2 | 10 | ug/l | 25.0 | ND | 69 | 10-150 | 12 | 35 | |
| Benzene | 22.3 | 0.50 | ug/l | 25.0 | ND | 89 | 70-125 | 6 | 25 | |
| Bromobenzene | 23.1 | 0.50 | ug/l | 25.0 | ND | 92 | 75-120 | 4 | 20 | |
| Bromochloromethane | 22.4 | 0.50 | ug/l | 25.0 | ND | 90 | 75-130 | 0.2 | 20 | |
| Bromodichloromethane | 22.1 | 0.50 | ug/l | 25.0 | ND | 88 | 75-125 | 4 | 20 | |
| Bromoform | 21.5 | 1.0 | ug/l | 25.0 | ND | 86 | 65-125 | 2 | 25 | |
| Bromomethane | 18.1 | 1.0 | ug/l | 25.0 | ND | 73 | 45-150 | 5 | 35 | |
| 2-Butanone (MEK) | 18.8 | 2.5 | ug/l | 25.0 | ND | 75 | 15-150 | 6 | 30 | |
| n-Butylbenzene | 23.4 | 0.50 | ug/l | 25.0 | ND | 94 | 70-130 | 7 | 30 | |
| sec-Butylbenzene | 23.0 | 0.50 | ug/l | 25.0 | ND | 92 | 70-125 | 7 | 30 | |
| tert-Butylbenzene | 24.0 | 0.50 | ug/l | 25.0 | ND | 96 | 70-125 | 7 | 25 | |
| Carbon disulfide | 20.8 | 0.50 | ug/l | 25.0 | ND | 83 | 65-145 | 31 | 25 | RI |
| Carbon tetrachloride | 25.0 | 0.50 | ug/l | 25.0 | ND | 100 | 65-135 | 9 | 25 | |
| Chlorobenzene | 23.0 | 0.50 | ug/l | 25.0 | ND | 92 | 75-120 | 4 | 20 | |
| Chloroethane | 21.1 | 1.0 | ug/l | 25.0 | ND | 84 | 65-140 | 4 | 25 | |
| Chloroform | 21.3 | 0.50 | ug/l | 25.0 | ND | 85 | 70-130 | 4 | 20 | |
| Chloromethane | 18.0 | 1.0 | ug/l | 25.0 | ND | 72 | 55-145 | 4 | 35 | |
| 2-Chlorotoluene | 22.2 | 0.50 | ug/l | 25.0 | ND | 89 | 70-125 | 6 | 25 | |
| 4-Chlorotoluene | 23.1 | 0.50 | ug/l | 25.0 | ND | 92 | 70-125 | 5 | 25 | |
| Dibromochloromethane | 24.4 | 0.50 | ug/l | 25.0 | ND | 98 | 70-130 | 0.08 | 20 | |
| 1,2-Dibromo-3-chloropropane | 23.0 | 2.5 | ug/l | 25.0 | ND | 92 | 50-150 | 0.8 | 30 | |
| 1,2-Dibromoethane (EDB) | 23.0 | 0.50 | ug/l | 25.0 | ND | 92 | 70-125 | 3 | 20 | |
| Dibromomethane | 21.4 | 0.50 | ug/l | 25.0 | ND | 86 | 70-120 | 2 | 20 | |
| 1,2-Dichlorobenzene | 23.3 | 0.50 | ug/l | 25.0 | ND | 93 | 75-120 | 4 | 20 | |
| 1,3-Dichlorobenzene | 22.6 | 0.50 | ug/l | 25.0 | ND | 90 | 75-120 | 5 | 25 | |
| 1,4-Dichlorobenzene | 22.8 | 0.50 | ug/l | 25.0 | ND | 91 | 70-125 | 7 | 20 | |
| Dichlorodifluoromethane | 22.0 | 0.50 | ug/l | 25.0 | ND | 88 | 60-150 | 11 | 30 | |
| 1,1-Dichloroethane | 22.4 | 0.50 | ug/l | 25.0 | ND | 90 | 70-130 | 4 | 20 | |
| 1,2-Dichloroethane | 21.9 | 0.50 | ug/l | 25.0 | ND | 88 | 65-140 | 0.5 | 20 | |
| 1,1-Dichloroethene | 23.7 | 0.50 | ug/l | 25.0 | ND | 95 | 70-130 | 3 | 25 | |
| cis-1,2-Dichloroethene | 20.4 | 0.50 | ug/l | 25.0 | ND | 82 | 70-125 | 5 | 20 | |
| trans-1,2-Dichloroethene | 22.0 | 0.50 | ug/l | 25.0 | ND | 88 | 75-125 | 8 | 25 | |
| 1,2-Dichloropropane | 21.7 | 0.50 | ug/l | 25.0 | ND | 87 | 75-125 | 4 | 20 | |
| 1,3-Dichloropropane | 21.6 | 0.50 | ug/l | 25.0 | ND | 86 | 70-120 | 0.4 | 20 | |
| 2,2-Dichloropropane | 24.3 | 1.0 | ug/l | 25.0 | ND | 97 | 65-140 | 1 | 25 | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030

Report Number: PUI0649

Sampled: 09/12/11
Received: 09/12/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-------|-------------|---------------------------|-----------|-------------|-----|-----------|-----------------|
| Batch: 1110627 Extracted: 09/19/11 | | | | | | | | | | |
| Matrix Spike Dup Analyzed: 09/19/2011 (1110627-MSD1) | | | | | Source: PUI0649-01 | | | | | |
| 1,1-Dichloropropene | 22.9 | 0.50 | ug/l | 25.0 | ND | 92 | 65-130 | 7 | 25 | |
| cis-1,3-Dichloropropene | 23.0 | 0.50 | ug/l | 25.0 | ND | 92 | 75-130 | 7 | 20 | |
| trans-1,3-Dichloropropene | 22.9 | 0.50 | ug/l | 25.0 | ND | 92 | 70-130 | 3 | 20 | |
| Ethylbenzene | 23.0 | 0.50 | ug/l | 25.0 | ND | 92 | 70-125 | 4 | 25 | |
| Hexachlorobutadiene | 23.9 | 1.0 | ug/l | 25.0 | ND | 96 | 40-150 | 11 | 30 | |
| 2-Hexanone | 21.0 | 2.5 | ug/l | 25.0 | ND | 84 | 20-150 | 6 | 30 | |
| Iodomethane | 27.4 | 2.5 | ug/l | 25.0 | ND | 110 | 60-150 | 3 | 30 | |
| Isopropylbenzene | 25.0 | 0.50 | ug/l | 25.0 | ND | 100 | 75-130 | 5 | 25 | |
| p-Isopropyltoluene | 23.7 | 0.50 | ug/l | 25.0 | ND | 95 | 70-130 | 7 | 30 | |
| Methylene Chloride | 20.2 | 1.0 | ug/l | 25.0 | ND | 81 | 65-130 | 1 | 20 | |
| 4-Methyl-2-pentanone (MIBK) | 22.1 | 2.5 | ug/l | 25.0 | ND | 88 | 55-135 | 5 | 25 | |
| Methyl-tert-butyl Ether (MTBE) | 21.2 | 0.50 | ug/l | 25.0 | ND | 85 | 65-140 | 5 | 25 | |
| Naphthalene | 25.6 | 2.5 | ug/l | 25.0 | ND | 103 | 40-150 | 3 | 30 | |
| n-Propylbenzene | 23.9 | 0.50 | ug/l | 25.0 | ND | 95 | 70-130 | 7 | 30 | |
| Styrene | 20.5 | 0.50 | ug/l | 25.0 | ND | 82 | 55-135 | 0.8 | 35 | |
| 1,1,1,2-Tetrachloroethane | 23.7 | 0.50 | ug/l | 25.0 | ND | 95 | 70-125 | 4 | 20 | |
| 1,1,2,2-Tetrachloroethane | 21.8 | 0.50 | ug/l | 25.0 | ND | 87 | 70-125 | 2 | 25 | |
| Tetrachloroethene | 24.4 | 0.50 | ug/l | 25.0 | ND | 97 | 65-130 | 6 | 25 | |
| Toluene | 21.8 | 0.50 | ug/l | 25.0 | 0.280 | 86 | 70-125 | 7 | 20 | |
| 1,2,3-Trichlorobenzene | 24.6 | 1.0 | ug/l | 25.0 | ND | 99 | 50-150 | 5 | 35 | |
| 1,2,4-Trichlorobenzene | 24.6 | 1.0 | ug/l | 25.0 | ND | 99 | 50-150 | 6 | 25 | |
| 1,1,1-Trichloroethane | 23.6 | 0.50 | ug/l | 25.0 | ND | 94 | 70-130 | 5 | 25 | |
| 1,1,2-Trichloroethane | 21.1 | 0.50 | ug/l | 25.0 | ND | 84 | 75-125 | 1 | 20 | |
| Trichloroethene | 22.5 | 0.50 | ug/l | 25.0 | 0.370 | 89 | 70-125 | 7 | 25 | |
| Trichlorofluoromethane | 24.2 | 0.50 | ug/l | 25.0 | ND | 97 | 65-150 | 2 | 25 | |
| 1,2,3-Trichloropropane | 22.4 | 1.0 | ug/l | 25.0 | ND | 89 | 70-130 | 3 | 25 | |
| 1,2,4-Trimethylbenzene | 21.5 | 0.50 | ug/l | 25.0 | ND | 86 | 70-125 | 5 | 30 | |
| 1,3,5-Trimethylbenzene | 23.2 | 0.50 | ug/l | 25.0 | ND | 93 | 75-130 | 6 | 25 | |
| Vinyl Acetate | 25.0 | 1.0 | ug/l | 25.0 | ND | 100 | 40-150 | 7 | 30 | |
| Vinyl chloride | 20.0 | 0.50 | ug/l | 25.0 | ND | 80 | 60-140 | 8 | 25 | |
| Xylenes, Total | 42.9 | 1.5 | ug/l | 50.0 | ND | 86 | 75-120 | 4 | 15 | |
| Freon 113 | 25.2 | 2.0 | ug/l | 25.0 | ND | 101 | 65-140 | 4 | 20 | |
| Surrogate: Dibromofluoromethane | 24.3 | | ug/l | 25.0 | | 97 | 80-130 | | | |
| Surrogate: Toluene-d8 | 24.6 | | ug/l | 25.0 | | 98 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 24.2 | | ug/l | 25.0 | | 97 | 80-125 | | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
 7272 E. Indian School Rd., Ste. 100
 Scottsdale, AZ 85251
 Attention: Jason Hilker

Project ID: 0096498.030

Report Number: PUI0649

Sampled: 09/12/11
 Received: 09/12/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-----------------|
| Batch: 1110699 Extracted: 09/20/11 | | | | | | | | | | |
| Blank Analyzed: 09/20/2011 (1110699-BLK1) | | | | | | | | | | |
| Acetone | ND | 10 | ug/l | | | | | | | |
| Benzene | ND | 0.50 | ug/l | | | | | | | |
| Bromobenzene | ND | 0.50 | ug/l | | | | | | | |
| Bromochloromethane | ND | 0.50 | ug/l | | | | | | | |
| Bromodichloromethane | ND | 0.50 | ug/l | | | | | | | |
| Bromoform | ND | 1.0 | ug/l | | | | | | | |
| Bromomethane | ND | 1.0 | ug/l | | | | | | | |
| 2-Butanone (MEK) | ND | 2.5 | ug/l | | | | | | | |
| n-Butylbenzene | ND | 0.50 | ug/l | | | | | | | |
| sec-Butylbenzene | ND | 0.50 | ug/l | | | | | | | |
| tert-Butylbenzene | ND | 0.50 | ug/l | | | | | | | |
| Carbon disulfide | ND | 0.50 | ug/l | | | | | | | |
| Carbon tetrachloride | ND | 0.50 | ug/l | | | | | | | |
| Chlorobenzene | ND | 0.50 | ug/l | | | | | | | |
| Chloroethane | ND | 1.0 | ug/l | | | | | | | |
| Chloroform | ND | 0.50 | ug/l | | | | | | | |
| Chloromethane | ND | 1.0 | ug/l | | | | | | | |
| 2-Chlorotoluene | ND | 0.50 | ug/l | | | | | | | |
| 4-Chlorotoluene | ND | 0.50 | ug/l | | | | | | | |
| Dibromochloromethane | ND | 0.50 | ug/l | | | | | | | |
| 1,2-Dibromo-3-chloropropane | ND | 2.5 | ug/l | | | | | | | |
| 1,2-Dibromoethane (EDB) | ND | 0.50 | ug/l | | | | | | | |
| Dibromomethane | ND | 0.50 | ug/l | | | | | | | |
| 1,2-Dichlorobenzene | ND | 0.50 | ug/l | | | | | | | |
| 1,3-Dichlorobenzene | ND | 0.50 | ug/l | | | | | | | |
| 1,4-Dichlorobenzene | ND | 0.50 | ug/l | | | | | | | |
| Dichlorodifluoromethane | ND | 0.50 | ug/l | | | | | | | |
| 1,1-Dichloroethane | ND | 0.50 | ug/l | | | | | | | |
| 1,2-Dichloroethane | ND | 0.50 | ug/l | | | | | | | |
| 1,1-Dichloroethene | ND | 0.50 | ug/l | | | | | | | |
| cis-1,2-Dichloroethene | ND | 0.50 | ug/l | | | | | | | |
| trans-1,2-Dichloroethene | ND | 0.50 | ug/l | | | | | | | |
| 1,2-Dichloropropane | ND | 0.50 | ug/l | | | | | | | |
| 1,3-Dichloropropane | ND | 0.50 | ug/l | | | | | | | |
| 2,2-Dichloropropane | ND | 1.0 | ug/l | | | | | | | |

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030

Report Number: PUI0649

Sampled: 09/12/11

Received: 09/12/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------|-----------|-------------|---------|-----------|-----------------|
| Batch: 11I0699 Extracted: 09/20/11 | | | | | | | | | | |
| Blank Analyzed: 09/20/2011 (11I0699-BLK1) | | | | | | | | | | |
| 1,1-Dichloropropene | ND | 0.50 | ug/l | | | | | | | |
| cis-1,3-Dichloropropene | ND | 0.50 | ug/l | | | | | | | |
| trans-1,3-Dichloropropene | ND | 0.50 | ug/l | | | | | | | |
| Ethylbenzene | ND | 0.50 | ug/l | | | | | | | |
| Hexachlorobutadiene | ND | 1.0 | ug/l | | | | | | | |
| 2-Hexanone | ND | 2.5 | ug/l | | | | | | | |
| Iodomethane | ND | 2.5 | ug/l | | | | | | | |
| Isopropylbenzene | ND | 0.50 | ug/l | | | | | | | |
| p-Isopropyltoluene | ND | 0.50 | ug/l | | | | | | | |
| Methylene Chloride | ND | 1.0 | ug/l | | | | | | | |
| 4-Methyl-2-pentanone (MIBK) | ND | 2.5 | ug/l | | | | | | | |
| Methyl-tert-butyl Ether (MTBE) | ND | 0.50 | ug/l | | | | | | | |
| Naphthalene | ND | 2.5 | ug/l | | | | | | | |
| n-Propylbenzene | ND | 0.50 | ug/l | | | | | | | |
| Styrene | ND | 0.50 | ug/l | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 0.50 | ug/l | | | | | | | |
| 1,1,2,2-Tetrachloroethane | ND | 0.50 | ug/l | | | | | | | |
| Tetrachloroethene | ND | 0.50 | ug/l | | | | | | | |
| Toluene | ND | 0.50 | ug/l | | | | | | | |
| 1,2,3-Trichlorobenzene | ND | 1.0 | ug/l | | | | | | | |
| 1,2,4-Trichlorobenzene | ND | 1.0 | ug/l | | | | | | | |
| 1,1,1-Trichloroethane | ND | 0.50 | ug/l | | | | | | | |
| 1,1,2-Trichloroethane | ND | 0.50 | ug/l | | | | | | | |
| Trichloroethene | ND | 0.50 | ug/l | | | | | | | |
| Trichlorofluoromethane | ND | 0.50 | ug/l | | | | | | | |
| 1,2,3-Trichloropropane | ND | 1.0 | ug/l | | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 0.50 | ug/l | | | | | | | |
| 1,3,5-Trimethylbenzene | ND | 0.50 | ug/l | | | | | | | |
| Vinyl Acetate | ND | 1.0 | ug/l | | | | | | | |
| Vinyl chloride | ND | 0.50 | ug/l | | | | | | | |
| Xylenes, Total | ND | 1.5 | ug/l | | | | | | | |
| Freon 113 | ND | 2.0 | ug/l | | | | | | | |
| Surrogate: Dibromofluoromethane | 24.0 | | ug/l | 25.0 | | 96 | 80-130 | | | |
| Surrogate: Toluene-d8 | 24.7 | | ug/l | 25.0 | | 99 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 25.0 | | ug/l | 25.0 | | 100 | 80-125 | | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030
Report Number: PUI0649

Sampled: 09/12/11
Received: 09/12/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | RPD Limits | RPD RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-------|-------------|---------------|-----------|------------|---------|-----------|-----------------|
| Batch: 11I0699 Extracted: 09/20/11 | | | | | | | | | | |
| LCS Analyzed: 09/20/2011 (11I0699-BS1) | | | | | | | | | | |
| Acetone | 27.8 | 10 | ug/l | 25.0 | | 111 | 10-150 | | | |
| Benzene | 23.6 | 0.50 | ug/l | 25.0 | | 94 | 80-120 | | | |
| Bromobenzene | 24.1 | 0.50 | ug/l | 25.0 | | 96 | 80-120 | | | |
| Bromochloromethane | 22.6 | 0.50 | ug/l | 25.0 | | 91 | 80-125 | | | |
| Bromodichloromethane | 23.1 | 0.50 | ug/l | 25.0 | | 92 | 80-120 | | | |
| Bromoform | 22.9 | 1.0 | ug/l | 25.0 | | 92 | 75-130 | | | |
| Bromomethane | 18.3 | 1.0 | ug/l | 25.0 | | 73 | 55-150 | | | |
| 2-Butanone (MEK) | 24.0 | 2.5 | ug/l | 25.0 | | 96 | 40-150 | | | |
| n-Butylbenzene | 24.5 | 0.50 | ug/l | 25.0 | | 98 | 80-130 | | | |
| sec-Butylbenzene | 24.1 | 0.50 | ug/l | 25.0 | | 96 | 80-125 | | | |
| tert-Butylbenzene | 24.9 | 0.50 | ug/l | 25.0 | | 99 | 80-120 | | | |
| Carbon disulfide | 28.2 | 0.50 | ug/l | 25.0 | | 113 | 70-140 | | | |
| Carbon tetrachloride | 26.4 | 0.50 | ug/l | 25.0 | | 106 | 75-130 | | | |
| Chlorobenzene | 24.0 | 0.50 | ug/l | 25.0 | | 96 | 80-120 | | | |
| Chloroethane | 21.8 | 1.0 | ug/l | 25.0 | | 87 | 70-130 | | | |
| Chloroform | 21.6 | 0.50 | ug/l | 25.0 | | 86 | 75-120 | | | |
| Chloromethane | 18.4 | 1.0 | ug/l | 25.0 | | 74 | 60-140 | | | |
| 2-Chlorotoluene | 23.1 | 0.50 | ug/l | 25.0 | | 92 | 80-120 | | | |
| 4-Chlorotoluene | 24.0 | 0.50 | ug/l | 25.0 | | 96 | 80-120 | | | |
| Dibromochloromethane | 25.3 | 0.50 | ug/l | 25.0 | | 101 | 80-120 | | | |
| 1,2-Dibromo-3-chloropropane | 23.5 | 2.5 | ug/l | 25.0 | | 94 | 50-150 | | | |
| 1,2-Dibromoethane (EDB) | 23.4 | 0.50 | ug/l | 25.0 | | 93 | 80-120 | | | |
| Dibromomethane | 22.4 | 0.50 | ug/l | 25.0 | | 90 | 75-120 | | | |
| 1,2-Dichlorobenzene | 24.5 | 0.50 | ug/l | 25.0 | | 98 | 80-120 | | | |
| 1,3-Dichlorobenzene | 24.0 | 0.50 | ug/l | 25.0 | | 96 | 80-120 | | | |
| 1,4-Dichlorobenzene | 24.5 | 0.50 | ug/l | 25.0 | | 98 | 80-120 | | | |
| Dichlorodifluoromethane | 23.2 | 0.50 | ug/l | 25.0 | | 93 | 60-150 | | | |
| 1,1-Dichloroethane | 22.6 | 0.50 | ug/l | 25.0 | | 90 | 70-125 | | | |
| 1,2-Dichloroethane | 21.9 | 0.50 | ug/l | 25.0 | | 88 | 75-130 | | | |
| 1,1-Dichloroethene | 24.3 | 0.50 | ug/l | 25.0 | | 97 | 75-125 | | | |
| cis-1,2-Dichloroethene | 21.0 | 0.50 | ug/l | 25.0 | | 84 | 80-120 | | | |
| trans-1,2-Dichloroethene | 23.1 | 0.50 | ug/l | 25.0 | | 92 | 80-120 | | | |
| 1,2-Dichloropropane | 22.7 | 0.50 | ug/l | 25.0 | | 91 | 80-120 | | | |
| 1,3-Dichloropropane | 22.1 | 0.50 | ug/l | 25.0 | | 88 | 80-120 | | | |
| 2,2-Dichloropropane | 23.8 | 1.0 | ug/l | 25.0 | | 95 | 75-130 | | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030

Report Number: PUI0649

Sampled: 09/12/11

Received: 09/12/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-------|-------------|---------------|-----------|-------------|-----|-----------|-----------------|
| Batch: 1110699 Extracted: 09/20/11 | | | | | | | | | | |
| LCS Analyzed: 09/20/2011 (1110699-BS1) | | | | | | | | | | |
| 1,1-Dichloropropene | 24.0 | 0.50 | ug/l | 25.0 | | 96 | 75-120 | | | |
| cis-1,3-Dichloropropene | 24.8 | 0.50 | ug/l | 25.0 | | 99 | 80-120 | | | |
| trans-1,3-Dichloropropene | 24.7 | 0.50 | ug/l | 25.0 | | 99 | 80-125 | | | |
| Ethylbenzene | 23.7 | 0.50 | ug/l | 25.0 | | 95 | 80-120 | | | |
| Hexachlorobutadiene | 25.2 | 1.0 | ug/l | 25.0 | | 101 | 40-150 | | | |
| 2-Hexanone | 25.4 | 2.5 | ug/l | 25.0 | | 102 | 20-150 | | | |
| Iodomethane | 28.5 | 2.5 | ug/l | 25.0 | | 114 | 80-130 | | | |
| Isopropylbenzene | 25.8 | 0.50 | ug/l | 25.0 | | 103 | 80-130 | | | |
| p-Isopropyltoluene | 25.1 | 0.50 | ug/l | 25.0 | | 100 | 80-130 | | | |
| Methylene Chloride | 20.8 | 1.0 | ug/l | 25.0 | | 83 | 70-120 | | | |
| 4-Methyl-2-pentanone (MIBK) | 23.3 | 2.5 | ug/l | 25.0 | | 93 | 60-135 | | | |
| Methyl-tert-butyl Ether (MTBE) | 21.5 | 0.50 | ug/l | 25.0 | | 86 | 70-130 | | | |
| Naphthalene | 27.5 | 2.5 | ug/l | 25.0 | | 110 | 40-150 | | | |
| n-Propylbenzene | 24.8 | 0.50 | ug/l | 25.0 | | 99 | 75-130 | | | |
| Styrene | 22.7 | 0.50 | ug/l | 25.0 | | 91 | 80-120 | | | |
| 1,1,1,2-Tetrachloroethane | 24.3 | 0.50 | ug/l | 25.0 | | 97 | 75-125 | | | |
| 1,1,2,2-Tetrachloroethane | 22.7 | 0.50 | ug/l | 25.0 | | 91 | 80-120 | | | |
| Tetrachloroethene | 25.2 | 0.50 | ug/l | 25.0 | | 101 | 70-130 | | | |
| Toluene | 23.4 | 0.50 | ug/l | 25.0 | | 94 | 80-120 | | | |
| 1,2,3-Trichlorobenzene | 26.3 | 1.0 | ug/l | 25.0 | | 105 | 55-150 | | | |
| 1,2,4-Trichlorobenzene | 26.0 | 1.0 | ug/l | 25.0 | | 104 | 50-150 | | | |
| 1,1,1-Trichloroethane | 23.8 | 0.50 | ug/l | 25.0 | | 95 | 75-125 | | | |
| 1,1,2-Trichloroethane | 22.3 | 0.50 | ug/l | 25.0 | | 89 | 80-120 | | | |
| Trichloroethene | 23.4 | 0.50 | ug/l | 25.0 | | 94 | 80-120 | | | |
| Trichlorofluoromethane | 23.2 | 0.50 | ug/l | 25.0 | | 93 | 70-150 | | | |
| 1,2,3-Trichloropropane | 23.2 | 1.0 | ug/l | 25.0 | | 93 | 70-130 | | | |
| 1,2,4-Trimethylbenzene | 23.9 | 0.50 | ug/l | 25.0 | | 96 | 80-120 | | | |
| 1,3,5-Trimethylbenzene | 24.5 | 0.50 | ug/l | 25.0 | | 98 | 80-130 | | | |
| Vinyl Acetate | 24.7 | 1.0 | ug/l | 25.0 | | 99 | 40-150 | | | |
| Vinyl chloride | 20.6 | 0.50 | ug/l | 25.0 | | 82 | 70-130 | | | |
| Xylenes, Total | 45.0 | 1.5 | ug/l | 50.0 | | 90 | 60-140 | | | |
| Freon 113 | 25.6 | 2.0 | ug/l | 25.0 | | 103 | 60-140 | | | |
| Surrogate: Dibromofluoromethane | 23.8 | | ug/l | 25.0 | | 95 | 80-130 | | | |
| Surrogate: Toluene-d8 | 25.0 | | ug/l | 25.0 | | 100 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 23.8 | | ug/l | 25.0 | | 95 | 80-125 | | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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PUI0649 <Page 31 of 40>

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030

Report Number: PUI0649

Sampled: 09/12/11
Received: 09/12/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------|-----------|-------------|---------|-----------|-----------------|
| Batch: 1110699 Extracted: 09/20/11 | | | | | | | | | | |
| LCS Dup Analyzed: 09/20/2011 (1110699-BSD1) | | | | | | | | | | |
| Acetone | 24.6 | 10 | ug/l | 25.0 | 99 | 10-150 | 12 | 35 | | |
| Benzene | 22.9 | 0.50 | ug/l | 25.0 | 92 | 80-120 | 3 | 15 | | |
| Bromobenzene | 23.7 | 0.50 | ug/l | 25.0 | 95 | 80-120 | 2 | 15 | | |
| Bromochloromethane | 22.6 | 0.50 | ug/l | 25.0 | 90 | 80-125 | 0.2 | 15 | | |
| Bromodichloromethane | 22.8 | 0.50 | ug/l | 25.0 | 91 | 80-120 | 1 | 15 | | |
| Bromoform | 22.5 | 1.0 | ug/l | 25.0 | 90 | 75-130 | 2 | 20 | | |
| Bromomethane | 18.0 | 1.0 | ug/l | 25.0 | 72 | 55-150 | 2 | 20 | | |
| 2-Butanone (MEK) | 22.8 | 2.5 | ug/l | 25.0 | 91 | 40-150 | 5 | 35 | | |
| n-Butylbenzene | 23.1 | 0.50 | ug/l | 25.0 | 92 | 80-130 | 6 | 15 | | |
| sec-Butylbenzene | 23.1 | 0.50 | ug/l | 25.0 | 92 | 80-125 | 4 | 15 | | |
| tert-Butylbenzene | 23.9 | 0.50 | ug/l | 25.0 | 95 | 80-120 | 4 | 15 | | |
| Carbon disulfide | 26.9 | 0.50 | ug/l | 25.0 | 108 | 70-140 | 5 | 15 | | |
| Carbon tetrachloride | 25.3 | 0.50 | ug/l | 25.0 | 101 | 75-130 | 4 | 20 | | |
| Chlorobenzene | 23.7 | 0.50 | ug/l | 25.0 | 95 | 80-120 | 1 | 15 | | |
| Chloroethane | 21.2 | 1.0 | ug/l | 25.0 | 85 | 70-130 | 3 | 15 | | |
| Chloroform | 21.4 | 0.50 | ug/l | 25.0 | 86 | 75-120 | 0.9 | 15 | | |
| Chloromethane | 18.1 | 1.0 | ug/l | 25.0 | 72 | 60-140 | 2 | 20 | | |
| 2-Chlorotoluene | 22.4 | 0.50 | ug/l | 25.0 | 89 | 80-120 | 3 | 15 | | |
| 4-Chlorotoluene | 22.9 | 0.50 | ug/l | 25.0 | 91 | 80-120 | 5 | 15 | | |
| Dibromochloromethane | 25.5 | 0.50 | ug/l | 25.0 | 102 | 80-120 | 0.8 | 15 | | |
| 1,2-Dibromo-3-chloropropane | 24.0 | 2.5 | ug/l | 25.0 | 96 | 50-150 | 2 | 35 | | |
| 1,2-Dibromoethane (EDB) | 23.5 | 0.50 | ug/l | 25.0 | 94 | 80-120 | 0.8 | 15 | | |
| Dibromomethane | 22.3 | 0.50 | ug/l | 25.0 | 89 | 75-120 | 0.3 | 15 | | |
| 1,2-Dichlorobenzene | 24.1 | 0.50 | ug/l | 25.0 | 96 | 80-120 | 2 | 15 | | |
| 1,3-Dichlorobenzene | 23.4 | 0.50 | ug/l | 25.0 | 94 | 80-120 | 3 | 15 | | |
| 1,4-Dichlorobenzene | 23.5 | 0.50 | ug/l | 25.0 | 94 | 80-120 | 4 | 15 | | |
| Dichlorodifluoromethane | 22.5 | 0.50 | ug/l | 25.0 | 90 | 60-150 | 3 | 30 | | |
| 1,1-Dichloroethane | 22.4 | 0.50 | ug/l | 25.0 | 90 | 70-125 | 0.6 | 15 | | |
| 1,2-Dichloroethane | 21.6 | 0.50 | ug/l | 25.0 | 86 | 75-130 | 2 | 15 | | |
| 1,1-Dichloroethene | 24.0 | 0.50 | ug/l | 25.0 | 96 | 75-125 | 2 | 20 | | |
| cis-1,2-Dichloroethene | 20.7 | 0.50 | ug/l | 25.0 | 83 | 80-120 | 2 | 15 | | |
| trans-1,2-Dichloroethene | 22.5 | 0.50 | ug/l | 25.0 | 90 | 80-120 | 3 | 15 | | |
| 1,2-Dichloropropane | 22.4 | 0.50 | ug/l | 25.0 | 90 | 80-120 | 2 | 15 | | |
| 1,3-Dichloropropane | 22.1 | 0.50 | ug/l | 25.0 | 88 | 80-120 | 0.2 | 15 | | |
| 2,2-Dichloropropane | 23.5 | 1.0 | ug/l | 25.0 | 94 | 75-130 | 1 | 15 | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030

Report Number: PUI0649

Sampled: 09/12/11
Received: 09/12/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------|-----------|-------------|-----|-----------|-----------------|
| Batch: 1110699 Extracted: 09/20/11 | | | | | | | | | | |
| LCS Dup Analyzed: 09/20/2011 (1110699-BSD1) | | | | | | | | | | |
| 1,1-Dichloropropene | 23.3 | 0.50 | ug/l | 25.0 | | 93 | 75-120 | 3 | 15 | |
| cis-1,3-Dichloropropene | 24.4 | 0.50 | ug/l | 25.0 | | 97 | 80-120 | 2 | 15 | |
| trans-1,3-Dichloropropene | 24.2 | 0.50 | ug/l | 25.0 | | 97 | 80-125 | 2 | 15 | |
| Ethylbenzene | 23.6 | 0.50 | ug/l | 25.0 | | 94 | 80-120 | 0.5 | 15 | |
| Hexachlorobutadiene | 24.1 | 1.0 | ug/l | 25.0 | | 96 | 40-150 | 5 | 35 | |
| 2-Hexanone | 24.0 | 2.5 | ug/l | 25.0 | | 96 | 20-150 | 6 | 35 | |
| Iodomethane | 28.2 | 2.5 | ug/l | 25.0 | | 113 | 80-130 | 0.7 | 10 | |
| Isopropylbenzene | 24.9 | 0.50 | ug/l | 25.0 | | 99 | 80-130 | 4 | 15 | |
| p-Isopropyltoluene | 24.0 | 0.50 | ug/l | 25.0 | | 96 | 80-130 | 4 | 15 | |
| Methylene Chloride | 20.9 | 1.0 | ug/l | 25.0 | | 83 | 70-120 | 0.1 | 15 | |
| 4-Methyl-2-pentanone (MIBK) | 23.1 | 2.5 | ug/l | 25.0 | | 93 | 60-135 | 0.6 | 25 | |
| Methyl-tert-butyl Ether (MTBE) | 21.6 | 0.50 | ug/l | 25.0 | | 86 | 70-130 | 0.3 | 20 | |
| Naphthalene | 27.0 | 2.5 | ug/l | 25.0 | | 108 | 40-150 | 2 | 30 | |
| n-Propylbenzene | 23.8 | 0.50 | ug/l | 25.0 | | 95 | 75-130 | 4 | 15 | |
| Styrene | 22.5 | 0.50 | ug/l | 25.0 | | 90 | 80-120 | 1 | 15 | |
| 1,1,1,2-Tetrachloroethane | 24.2 | 0.50 | ug/l | 25.0 | | 97 | 75-125 | 0.2 | 15 | |
| 1,1,2,2-Tetrachloroethane | 21.9 | 0.50 | ug/l | 25.0 | | 88 | 80-120 | 3 | 20 | |
| Tetrachloroethene | 24.9 | 0.50 | ug/l | 25.0 | | 100 | 70-130 | 1 | 20 | |
| Toluene | 22.8 | 0.50 | ug/l | 25.0 | | 91 | 80-120 | 3 | 15 | |
| 1,2,3-Trichlorobenzene | 25.9 | 1.0 | ug/l | 25.0 | | 104 | 55-150 | 2 | 35 | |
| 1,2,4-Trichlorobenzene | 25.5 | 1.0 | ug/l | 25.0 | | 102 | 50-150 | 2 | 30 | |
| 1,1,1-Trichloroethane | 23.4 | 0.50 | ug/l | 25.0 | | 94 | 75-125 | 2 | 15 | |
| 1,1,2-Trichloroethane | 22.2 | 0.50 | ug/l | 25.0 | | 89 | 80-120 | 0.2 | 15 | |
| Trichloroethene | 22.7 | 0.50 | ug/l | 25.0 | | 91 | 80-120 | 3 | 15 | |
| Trichlorofluoromethane | 23.2 | 0.50 | ug/l | 25.0 | | 93 | 70-150 | 0.3 | 25 | |
| 1,2,3-Trichloropropane | 23.2 | 1.0 | ug/l | 25.0 | | 93 | 70-130 | 0 | 20 | |
| 1,2,4-Trimethylbenzene | 23.0 | 0.50 | ug/l | 25.0 | | 92 | 80-120 | 4 | 15 | |
| 1,3,5-Trimethylbenzene | 23.7 | 0.50 | ug/l | 25.0 | | 95 | 80-130 | 3 | 15 | |
| Vinyl Acetate | 24.2 | 1.0 | ug/l | 25.0 | | 97 | 40-150 | 2 | 25 | |
| Vinyl chloride | 19.8 | 0.50 | ug/l | 25.0 | | 79 | 70-130 | 4 | 20 | |
| Xylenes, Total | 44.1 | 1.5 | ug/l | 50.0 | | 88 | 60-140 | 2 | 15 | |
| Freon 113 | 26.0 | 2.0 | ug/l | 25.0 | | 104 | 60-140 | 1 | 15 | |
| Surrogate: Dibromofluoromethane | 23.9 | | ug/l | 25.0 | | 96 | 80-130 | | | |
| Surrogate: Toluene-d8 | 25.0 | | ug/l | 25.0 | | 100 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 24.0 | | ug/l | 25.0 | | 96 | 80-125 | | | |

TestAmerica Phoenix

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030

Report Number: PUI0649

Sampled: 09/12/11
Received: 09/12/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------------------|------|-------------|-----|-----------|-----------------|
| Batch: 1110699 Extracted: 09/20/11 | | | | | | | | | | |
| Matrix Spike Analyzed: 09/20/2011 (1110699-MS1) | | | | | Source: PUI0821-02 | | | | | |
| Acetone | 17.1 | 10 | ug/l | 25.0 | ND | 68 | 10-150 | | | |
| Benzene | 23.9 | 0.50 | ug/l | 25.0 | ND | 96 | 70-125 | | | |
| Bromobenzene | 24.4 | 0.50 | ug/l | 25.0 | ND | 97 | 75-120 | | | |
| Bromochloromethane | 23.0 | 0.50 | ug/l | 25.0 | ND | 92 | 75-130 | | | |
| Bromodichloromethane | 24.0 | 0.50 | ug/l | 25.0 | ND | 96 | 75-125 | | | |
| Bromoform | 22.3 | 1.0 | ug/l | 25.0 | ND | 89 | 65-125 | | | |
| Bromomethane | 19.6 | 1.0 | ug/l | 25.0 | ND | 79 | 45-150 | | | |
| 2-Butanone (MEK) | 19.9 | 2.5 | ug/l | 25.0 | ND | 80 | 15-150 | | | |
| n-Butylbenzene | 24.1 | 0.50 | ug/l | 25.0 | ND | 96 | 70-130 | | | |
| sec-Butylbenzene | 23.9 | 0.50 | ug/l | 25.0 | ND | 96 | 70-125 | | | |
| tert-Butylbenzene | 25.1 | 0.50 | ug/l | 25.0 | ND | 100 | 70-125 | | | |
| Carbon disulfide | 23.4 | 0.50 | ug/l | 25.0 | ND | 94 | 65-145 | | | |
| Carbon tetrachloride | 27.1 | 0.50 | ug/l | 25.0 | ND | 109 | 65-135 | | | |
| Chlorobenzene | 24.7 | 0.50 | ug/l | 25.0 | ND | 99 | 75-120 | | | |
| Chloroethane | 23.1 | 1.0 | ug/l | 25.0 | ND | 92 | 65-140 | | | |
| Chloroform | 22.4 | 0.50 | ug/l | 25.0 | 0.380 | 88 | 70-130 | | | |
| Chloromethane | 19.1 | 1.0 | ug/l | 25.0 | ND | 77 | 55-145 | | | |
| 2-Chlorotoluene | 22.9 | 0.50 | ug/l | 25.0 | ND | 92 | 70-125 | | | |
| 4-Chlorotoluene | 23.5 | 0.50 | ug/l | 25.0 | ND | 94 | 70-125 | | | |
| Dibromochloromethane | 26.0 | 0.50 | ug/l | 25.0 | ND | 104 | 70-130 | | | |
| 1,2-Dibromo-3-chloropropane | 23.7 | 2.5 | ug/l | 25.0 | ND | 95 | 50-150 | | | |
| 1,2-Dibromoethane (EDB) | 24.2 | 0.50 | ug/l | 25.0 | ND | 97 | 70-125 | | | |
| Dibromomethane | 22.4 | 0.50 | ug/l | 25.0 | ND | 90 | 70-120 | | | |
| 1,2-Dichlorobenzene | 24.5 | 0.50 | ug/l | 25.0 | ND | 98 | 75-120 | | | |
| 1,3-Dichlorobenzene | 24.0 | 0.50 | ug/l | 25.0 | ND | 96 | 75-120 | | | |
| 1,4-Dichlorobenzene | 24.1 | 0.50 | ug/l | 25.0 | ND | 96 | 70-125 | | | |
| Dichlorodifluoromethane | 23.8 | 0.50 | ug/l | 25.0 | ND | 95 | 60-150 | | | |
| 1,1-Dichloroethane | 23.2 | 0.50 | ug/l | 25.0 | ND | 93 | 70-130 | | | |
| 1,2-Dichloroethane | 22.1 | 0.50 | ug/l | 25.0 | ND | 88 | 65-140 | | | |
| 1,1-Dichloroethene | 25.4 | 0.50 | ug/l | 25.0 | ND | 101 | 70-130 | | | |
| cis-1,2-Dichloroethene | 25.3 | 0.50 | ug/l | 25.0 | 3.89 | 86 | 70-125 | | | |
| trans-1,2-Dichloroethene | 23.6 | 0.50 | ug/l | 25.0 | ND | 95 | 75-125 | | | |
| 1,2-Dichloropropane | 23.0 | 0.50 | ug/l | 25.0 | ND | 92 | 75-125 | | | |
| 1,3-Dichloropropane | 22.7 | 0.50 | ug/l | 25.0 | ND | 91 | 70-120 | | | |
| 2,2-Dichloropropane | 26.7 | 1.0 | ug/l | 25.0 | ND | 107 | 65-140 | | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030
Report Number: PUI0649

Sampled: 09/12/11
Received: 09/12/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | Limit | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------------------|-----------|--------|-----|-----------|-----------------|
| Batch: 1110699 Extracted: 09/20/11 | | | | | | | | | | |
| Matrix Spike Analyzed: 09/20/2011 (1110699-MS1) | | | | | Source: PUI0821-02 | | | | | |
| 1,1-Dichloropropene | 24.4 | 0.50 | ug/l | 25.0 | ND | 98 | 65-130 | | | |
| cis-1,3-Dichloropropene | 25.0 | 0.50 | ug/l | 25.0 | ND | 100 | 75-130 | | | |
| trans-1,3-Dichloropropene | 24.5 | 0.50 | ug/l | 25.0 | ND | 98 | 70-130 | | | |
| Ethylbenzene | 24.2 | 0.50 | ug/l | 25.0 | ND | 97 | 70-125 | | | |
| Hexachlorobutadiene | 25.6 | 1.0 | ug/l | 25.0 | ND | 102 | 40-150 | | | |
| 2-Hexanone | 21.9 | 2.5 | ug/l | 25.0 | ND | 88 | 20-150 | | | |
| Iodomethane | 29.9 | 2.5 | ug/l | 25.0 | ND | 120 | 60-150 | | | |
| Isopropylbenzene | 26.1 | 0.50 | ug/l | 25.0 | ND | 105 | 75-130 | | | |
| p-Isopropyltoluene | 24.5 | 0.50 | ug/l | 25.0 | ND | 98 | 70-130 | | | |
| Methylene Chloride | 21.1 | 1.0 | ug/l | 25.0 | ND | 85 | 65-130 | | | |
| 4-Methyl-2-pentanone (MIBK) | 23.3 | 2.5 | ug/l | 25.0 | ND | 93 | 55-135 | | | |
| Methyl-tert-butyl Ether (MTBE) | 22.3 | 0.50 | ug/l | 25.0 | ND | 89 | 65-140 | | | |
| Naphthalene | 27.4 | 2.5 | ug/l | 25.0 | ND | 110 | 40-150 | | | |
| n-Propylbenzene | 24.5 | 0.50 | ug/l | 25.0 | ND | 98 | 70-130 | | | |
| Styrene | 8.93 | 0.50 | ug/l | 25.0 | ND | 36 | 55-135 | | | M2 |
| 1,1,1,2-Tetrachloroethane | 25.1 | 0.50 | ug/l | 25.0 | ND | 100 | 70-125 | | | |
| 1,1,2,2-Tetrachloroethane | 22.7 | 0.50 | ug/l | 25.0 | ND | 91 | 70-125 | | | |
| Tetrachloroethene | 27.1 | 0.50 | ug/l | 25.0 | 0.770 | 105 | 65-130 | | | |
| Toluene | 23.9 | 0.50 | ug/l | 25.0 | ND | 95 | 70-125 | | | |
| 1,2,3-Trichlorobenzene | 26.8 | 1.0 | ug/l | 25.0 | ND | 107 | 50-150 | | | |
| 1,2,4-Trichlorobenzene | 26.3 | 1.0 | ug/l | 25.0 | ND | 105 | 50-150 | | | |
| 1,1,1-Trichloroethane | 24.8 | 0.50 | ug/l | 25.0 | ND | 99 | 70-130 | | | |
| 1,1,2-Trichloroethane | 22.6 | 0.50 | ug/l | 25.0 | ND | 91 | 75-125 | | | |
| Trichloroethene | 43.7 | 0.50 | ug/l | 25.0 | 22.8 | 83 | 70-125 | | | |
| Trichlorofluoromethane | 24.6 | 0.50 | ug/l | 25.0 | 0.150 | 98 | 65-150 | | | |
| 1,2,3-Trichloropropane | 23.4 | 1.0 | ug/l | 25.0 | ND | 94 | 70-130 | | | |
| 1,2,4-Trimethylbenzene | 20.8 | 0.50 | ug/l | 25.0 | ND | 83 | 70-125 | | | |
| 1,3,5-Trimethylbenzene | 23.7 | 0.50 | ug/l | 25.0 | ND | 95 | 75-130 | | | |
| Vinyl Acetate | 18.9 | 1.0 | ug/l | 25.0 | ND | 76 | 40-150 | | | |
| Vinyl chloride | 23.0 | 0.50 | ug/l | 25.0 | ND | 92 | 60-140 | | | |
| Xylenes, Total | 45.9 | 1.5 | ug/l | 50.0 | ND | 92 | 75-120 | | | |
| Freon 113 | 27.0 | 2.0 | ug/l | 25.0 | ND | 108 | 65-140 | | | |
| Surrogate: Dibromofluoromethane | 23.6 | | ug/l | 25.0 | | 94 | 80-130 | | | |
| Surrogate: Toluene-d8 | 24.5 | | ug/l | 25.0 | | 98 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 23.8 | | ug/l | 25.0 | | 95 | 80-125 | | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030
Report Number: PUI0649

Sampled: 09/12/11
Received: 09/12/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-------|-------------|---------------------------|------|-------------|-----|-----------|-----------------|
| Batch: 1110699 Extracted: 09/20/11 | | | | | | | | | | |
| Matrix Spike Dup Analyzed: 09/20/2011 (1110699-MSD1) | | | | | Source: PUI0821-02 | | | | | |
| Acetone | 17.2 | 10 | ug/l | 25.0 | ND | 69 | 10-150 | 0.8 | 35 | |
| Benzene | 22.3 | 0.50 | ug/l | 25.0 | ND | 89 | 70-125 | 7 | 25 | |
| Bromobenzene | 22.9 | 0.50 | ug/l | 25.0 | ND | 92 | 75-120 | 6 | 20 | |
| Bromochloromethane | 22.5 | 0.50 | ug/l | 25.0 | ND | 90 | 75-130 | 2 | 20 | |
| Bromodichloromethane | 22.5 | 0.50 | ug/l | 25.0 | ND | 90 | 75-125 | 6 | 20 | |
| Bromoform | 21.4 | 1.0 | ug/l | 25.0 | ND | 85 | 65-125 | 4 | 25 | |
| Bromomethane | 17.9 | 1.0 | ug/l | 25.0 | ND | 72 | 45-150 | 9 | 35 | |
| 2-Butanone (MEK) | 19.4 | 2.5 | ug/l | 25.0 | ND | 78 | 15-150 | 3 | 30 | |
| n-Butylbenzene | 22.7 | 0.50 | ug/l | 25.0 | ND | 91 | 70-130 | 6 | 30 | |
| sec-Butylbenzene | 22.4 | 0.50 | ug/l | 25.0 | ND | 89 | 70-125 | 7 | 30 | |
| tert-Butylbenzene | 23.4 | 0.50 | ug/l | 25.0 | ND | 93 | 70-125 | 7 | 25 | |
| Carbon disulfide | 20.0 | 0.50 | ug/l | 25.0 | ND | 80 | 65-145 | 16 | 25 | |
| Carbon tetrachloride | 24.6 | 0.50 | ug/l | 25.0 | ND | 98 | 65-135 | 10 | 25 | |
| Chlorobenzene | 22.7 | 0.50 | ug/l | 25.0 | ND | 91 | 75-120 | 8 | 20 | |
| Chloroethane | 20.6 | 1.0 | ug/l | 25.0 | ND | 82 | 65-140 | 11 | 25 | |
| Chloroform | 21.4 | 0.50 | ug/l | 25.0 | 0.380 | 84 | 70-130 | 5 | 20 | |
| Chloromethane | 17.1 | 1.0 | ug/l | 25.0 | ND | 69 | 55-145 | 11 | 35 | |
| 2-Chlorotoluene | 21.5 | 0.50 | ug/l | 25.0 | ND | 86 | 70-125 | 6 | 25 | |
| 4-Chlorotoluene | 22.4 | 0.50 | ug/l | 25.0 | ND | 90 | 70-125 | 5 | 25 | |
| Dibromochloromethane | 24.5 | 0.50 | ug/l | 25.0 | ND | 98 | 70-130 | 6 | 20 | |
| 1,2-Dibromo-3-chloropropane | 22.9 | 2.5 | ug/l | 25.0 | ND | 92 | 50-150 | 3 | 30 | |
| 1,2-Dibromoethane (EDB) | 22.9 | 0.50 | ug/l | 25.0 | ND | 92 | 70-125 | 5 | 20 | |
| Dibromomethane | 21.9 | 0.50 | ug/l | 25.0 | ND | 88 | 70-120 | 2 | 20 | |
| 1,2-Dichlorobenzene | 23.2 | 0.50 | ug/l | 25.0 | ND | 93 | 75-120 | 6 | 20 | |
| 1,3-Dichlorobenzene | 22.7 | 0.50 | ug/l | 25.0 | ND | 91 | 75-120 | 6 | 25 | |
| 1,4-Dichlorobenzene | 22.9 | 0.50 | ug/l | 25.0 | ND | 91 | 70-125 | 5 | 20 | |
| Dichlorodifluoromethane | 21.6 | 0.50 | ug/l | 25.0 | ND | 87 | 60-150 | 9 | 30 | |
| 1,1-Dichloroethane | 22.0 | 0.50 | ug/l | 25.0 | ND | 88 | 70-130 | 5 | 20 | |
| 1,2-Dichloroethane | 21.5 | 0.50 | ug/l | 25.0 | ND | 86 | 65-140 | 3 | 20 | |
| 1,1-Dichloroethene | 23.0 | 0.50 | ug/l | 25.0 | ND | 92 | 70-130 | 10 | 25 | |
| cis-1,2-Dichloroethene | 24.1 | 0.50 | ug/l | 25.0 | 3.89 | 81 | 70-125 | 5 | 20 | |
| trans-1,2-Dichloroethene | 22.2 | 0.50 | ug/l | 25.0 | ND | 89 | 75-125 | 6 | 25 | |
| 1,2-Dichloropropane | 21.7 | 0.50 | ug/l | 25.0 | ND | 87 | 75-125 | 6 | 20 | |
| 1,3-Dichloropropane | 21.9 | 0.50 | ug/l | 25.0 | ND | 88 | 70-120 | 4 | 20 | |
| 2,2-Dichloropropane | 22.7 | 1.0 | ug/l | 25.0 | ND | 91 | 65-140 | 16 | 25 | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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PUI0649 <Page 36 of 40>

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030

Report Number: PUI0649

Sampled: 09/12/11
Received: 09/12/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | Limit | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-------|-------------|---------------------------|-----------|--------|-----|-----------|-----------------|
| Batch: 1110699 Extracted: 09/20/11 | | | | | | | | | | |
| Matrix Spike Dup Analyzed: 09/20/2011 (1110699-MSD1) | | | | | Source: PUI0821-02 | | | | | |
| 1,1-Dichloropropene | 22.5 | 0.50 | ug/l | 25.0 | ND | 90 | 65-130 | 8 | 25 | |
| cis-1,3-Dichloropropene | 23.4 | 0.50 | ug/l | 25.0 | ND | 94 | 75-130 | 6 | 20 | |
| trans-1,3-Dichloropropene | 23.5 | 0.50 | ug/l | 25.0 | ND | 94 | 70-130 | 4 | 20 | |
| Ethylbenzene | 22.6 | 0.50 | ug/l | 25.0 | ND | 90 | 70-125 | 7 | 25 | |
| Hexachlorobutadiene | 23.8 | 1.0 | ug/l | 25.0 | ND | 95 | 40-150 | 7 | 30 | |
| 2-Hexanone | 21.1 | 2.5 | ug/l | 25.0 | ND | 84 | 20-150 | 4 | 30 | |
| Iodomethane | 27.4 | 2.5 | ug/l | 25.0 | ND | 110 | 60-150 | 9 | 30 | |
| Isopropylbenzene | 24.3 | 0.50 | ug/l | 25.0 | ND | 97 | 75-130 | 7 | 25 | |
| p-Isopropyltoluene | 23.4 | 0.50 | ug/l | 25.0 | ND | 94 | 70-130 | 5 | 30 | |
| Methylene Chloride | 19.8 | 1.0 | ug/l | 25.0 | ND | 79 | 65-130 | 6 | 20 | |
| 4-Methyl-2-pentanone (MIBK) | 22.8 | 2.5 | ug/l | 25.0 | ND | 91 | 55-135 | 2 | 25 | |
| Methyl-tert-butyl Ether (MTBE) | 21.4 | 0.50 | ug/l | 25.0 | ND | 85 | 65-140 | 4 | 25 | |
| Naphthalene | 26.5 | 2.5 | ug/l | 25.0 | ND | 106 | 40-150 | 4 | 30 | |
| n-Propylbenzene | 23.2 | 0.50 | ug/l | 25.0 | ND | 93 | 70-130 | 6 | 30 | |
| Styrene | 2.39 | 0.50 | ug/l | 25.0 | ND | 10 | 55-135 | 116 | 35 | M2, NI |
| 1,1,1,2-Tetrachloroethane | 23.5 | 0.50 | ug/l | 25.0 | ND | 94 | 70-125 | 7 | 20 | |
| 1,1,2,2-Tetrachloroethane | 23.2 | 0.50 | ug/l | 25.0 | ND | 93 | 70-125 | 2 | 25 | |
| Tetrachloroethene | 25.0 | 0.50 | ug/l | 25.0 | 0.770 | 97 | 65-130 | 8 | 25 | |
| Toluene | 22.1 | 0.50 | ug/l | 25.0 | ND | 89 | 70-125 | 8 | 20 | |
| 1,2,3-Trichlorobenzene | 25.3 | 1.0 | ug/l | 25.0 | ND | 101 | 50-150 | 6 | 35 | |
| 1,2,4-Trichlorobenzene | 24.7 | 1.0 | ug/l | 25.0 | ND | 99 | 50-150 | 6 | 25 | |
| 1,1,1-Trichloroethane | 23.0 | 0.50 | ug/l | 25.0 | ND | 92 | 70-130 | 8 | 25 | |
| 1,1,2-Trichloroethane | 22.0 | 0.50 | ug/l | 25.0 | ND | 88 | 75-125 | 3 | 20 | |
| Trichloroethene | 40.4 | 0.50 | ug/l | 25.0 | 22.8 | 70 | 70-125 | 8 | 25 | |
| Trichlorofluoromethane | 22.8 | 0.50 | ug/l | 25.0 | 0.150 | 91 | 65-150 | 8 | 25 | |
| 1,2,3-Trichloropropane | 23.2 | 1.0 | ug/l | 25.0 | ND | 93 | 70-130 | 0.7 | 25 | |
| 1,2,4-Trimethylbenzene | 19.7 | 0.50 | ug/l | 25.0 | ND | 79 | 70-125 | 5 | 30 | |
| 1,3,5-Trimethylbenzene | 22.2 | 0.50 | ug/l | 25.0 | ND | 89 | 75-130 | 7 | 25 | |
| Vinyl Acetate | 9.99 | 1.0 | ug/l | 25.0 | ND | 40 | 40-150 | 62 | 30 | NI |
| Vinyl chloride | 20.0 | 0.50 | ug/l | 25.0 | ND | 80 | 60-140 | 14 | 25 | |
| Xylenes, Total | 43.0 | 1.5 | ug/l | 50.0 | ND | 86 | 75-120 | 7 | 15 | |
| Freon 113 | 25.0 | 2.0 | ug/l | 25.0 | ND | 100 | 65-140 | 8 | 20 | |
| Surrogate: Dibromofluoromethane | 24.0 | | ug/l | 25.0 | | 96 | 80-130 | | | |
| Surrogate: Toluene-d8 | 24.5 | | ug/l | 25.0 | | 98 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 24.0 | | ug/l | 25.0 | | 96 | 80-125 | | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
 7272 E. Indian School Rd., Ste. 100
 Scottsdale, AZ 85251
 Attention: Jason Hilker

Project ID: 0096498.030

Report Number: PUI0649

Sampled: 09/12/11
 Received: 09/12/11

METHOD BLANK/QC DATA

1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------|-----------|-----------|-----|-----------|-----------------|
| Batch: 1110480 Extracted: 09/14/11 | | | | | | | | | | |
| Blank Analyzed: 09/15/2011 (1110480-BLK1) | | | | | | | | | | |
| 1,4-Dioxane | ND | 1.0 | ug/l | | | | | | | |
| Surrogate: 1,4-Dioxane-d8 | 13.9 | | ug/l | 20.0 | | 70 | 38.6-88.3 | | | |
| Surrogate: Nitrobenzene-d5 | 16.9 | | ug/l | 20.0 | | 85 | 59.9-120 | | | |
| LCS Analyzed: 09/15/2011 (1110480-BS1) | | | | | | | | | | |
| 1,4-Dioxane | 20.3 | 1.0 | ug/l | 20.0 | | 102 | 80-120 | | | Q8 |
| Surrogate: 1,4-Dioxane-d8 | 15.1 | | ug/l | 20.0 | | 75 | 32-57 | | | S10 |
| Surrogate: Nitrobenzene-d5 | 18.2 | | ug/l | 20.0 | | 91 | 38-125 | | | |
| LCS Dup Analyzed: 09/15/2011 (1110480-BSD1) | | | | | | | | | | |
| 1,4-Dioxane | 20.6 | 1.0 | ug/l | 20.0 | | 103 | 80-120 | 1 | 25 | Q8 |
| Surrogate: 1,4-Dioxane-d8 | 15.2 | | ug/l | 20.0 | | 76 | 32-57 | | | S10 |
| Surrogate: Nitrobenzene-d5 | 18.7 | | ug/l | 20.0 | | 94 | 38-125 | | | |

TestAmerica Phoenix

Kylie Emily
 Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030

Report Number: PUI0649

Sampled: 09/12/11
Received: 09/12/11

DATA QUALIFIERS AND DEFINITIONS

- L3 The associated blank spike recovery was above method acceptance limits.
- M2 Matrix spike recovery was low; the associated blank spike recovery was acceptable.
- N1 See case narrative.
- Q8 Insufficient sample received to meet method QC requirements. Batch QC requirements satisfy ADEQ policies 0154.000 and 0155.000.
- R1 The RPD/RSD exceeded the method acceptance limit.
- R6 LFB/LFBD RPD exceeded the method acceptance limit. Recovery met acceptance criteria.
- S10 Surrogate recovery was above laboratory and method acceptance limits. See case narrative.
- ND Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
- RPD Relative Percent Difference

TestAmerica Phoenix

Kylie Emily
Project Manager

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PUI0649 <Page 39 of 40>

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030

Report Number: PUI0649

Sampled: 09/12/11
Received: 09/12/11

Certification Summary

TestAmerica Phoenix

| Method | Matrix | Nelac | Arizona |
|-----------|--------|-------|---------|
| EPA 8260B | Water | X | X |
| EPA 8270C | Water | | X |

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for TestAmerica may be obtained by contacting the laboratory or visiting our website at www.testamericainc.com

TestAmerica Phoenix

Kylie Emily
Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

TAL-0013-350 (10/10)

[x] Phoenix - 4625 E. Colton Center Blvd., Suite 189, Phoenix, AZ 85040 (602) 437-3340 FAX (602) 454-9303
 [] Tucson - 1870 W. Prince Road, Suite 59, Tucson, AZ 85705 (520) 807-3801 FAX (520) 807-3803
 [] Las Vegas - 6000 S Eastern Ave., Suite 5E, Las Vegas, NV 89119 (702) 429-1264

Page 1 of 1

| Client Name/Address: <u>ERM</u> <u>7272 E Indian School Rd</u> <u>Scottsdale AZ 85251</u> | | Project/PO Number: <u>0096498.030</u> | | | | Analysis Required | | | | | | | | | | | | |
|---|----------------------|--|------------|--|---------------|--------------------------------|--------------------|--|-------------------|--|--|--|--|--|--|----------------------|--|-----------------------|
| Project Manager: <u>Jason Hilker</u> <u>Jason.Hilker@ERM.com</u> | | Phone Number: <u>480-498-2401</u> | | | | VOC (9260B) | VH-Dioxane (8270C) | | | | | | | | | Special Instructions | | |
| Sampler: <u>Adam Nayle</u> | | Fax Number: | | | | | | | | | | | | | | | | |
| Sample Description | Sample Matrix | Container Type | # of Cont. | Sampling Date | Sampling Time | Preservatives | | | | | | | | | | | | |
| <u>003-6D-D-091211</u> | <u>WT</u> | <u>3x40mL</u> <u>2x1L</u> | <u>5</u> | <u>9/12/11</u> | <u>0921</u> | <u>HCl</u> | <u>X</u> | <u>X</u> | | | | | | | | | | <u>PVI 0649-01</u> |
| <u>003-6M-M-091211</u> | <u>WT</u> | <u>3x40mL</u> <u>2x1L</u> | <u>5</u> | <u>9/12/11</u> | <u>1025</u> | <u>HCl</u> | <u>X</u> | <u>X</u> | | | | | | | | | | <u>-02</u> |
| <u>003-1D-D-091211</u> | <u>WT</u> | <u>3x40mL</u> <u>2x1L</u> | <u>5</u> | <u>9/12/11</u> | <u>1315</u> | <u>HCl</u> | <u>X</u> | <u>X</u> | | | | | | | | | | <u>-03</u> |
| <u>EW-21-S-091211</u> | <u>WT</u> | | | | | | | | | | | | | | | | | <u>-04</u> |
| <u>GW-EB1-3-091211</u> | <u>WT</u> | <u>3x40mL</u> <u>2x1L</u> | <u>5</u> | <u>9/12/11</u> | <u>1625</u> | <u>HCl</u> | <u>X</u> | <u>X</u> | | | | | | | | | | <u>-04 -05 PF</u> |
| <u>BE-MW-8-S-091211</u> | <u>WT</u> | <u>3x40mL</u> <u>2x1L</u> | <u>5</u> | <u>9/12/11</u> | <u>1624</u> | <u>HCl</u> | <u>X</u> | <u>X</u> | | | | | | | | | | <u>-05 -06</u> |
| <u>GW-L1-3-091211</u> | <u>WT</u> | <u>40mL</u> | <u>1</u> | <u>9/12/11</u> | <u>-</u> | <u>HCl</u> | <u>X</u> | | <u>TRIP BLANK</u> | | | | | | | | | <u>-06 -07</u> |
| <u>GW-R1-1-091211</u> | <u>WT</u> | <u>3x40mL</u> <u>2x1L</u> | <u>5</u> | <u>9/12/11</u> | <u>1625</u> | <u>HCl</u> | <u>X</u> | <u>X</u> | | | | | | | | | | <u>-07 -08</u> |
| Relinquished By: <u>ERM</u> | | Date/Time: <u>9/12 1707</u> | | Received By: <u>[Signature]</u> | | Date/Time: | | Turnaround Time: (Check) | | | | | | | | | | |
| Relinquished By: | | Date/Time: | | Received By: | | Date/Time: | | same day _____ 72 hours _____ | | | | | | | | | | |
| Relinquished By: | | Date/Time: | | Received in Lab By: <u>[Signature]</u> | | Date/Time: <u>9/12/11 1707</u> | | 24 hours _____ 5 days _____ | | | | | | | | | | |
| Relinquished By: | | Date/Time: | | Received in Lab By: | | Date/Time: | | 48 hours _____ normal <u>X</u> | | | | | | | | | | |
| Relinquished By: | | Date/Time: | | Received in Lab By: | | Date/Time: | | Sample Integrity: (Check) | | | | | | | | | | |
| Relinquished By: | | Date/Time: | | Received in Lab By: | | Date/Time: | | Intact <u>X</u> on ice <u>X</u> <u>0-6°C</u> | | | | | | | | | | |

Note: By relinquishing samples to TestAmerica, client agrees to pay for the services requested on this chain of custody form and any additional analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 30 days.

0-20c

LABORATORY REPORT

Prepared For: Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project: OU3 0096498.030

Sampled: 09/12/11
Received: 09/12/11
Revised: 11/02/11 14:59

NELAP #01109CA Arizona DHS#AZ0728

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica. The Chain of Custody, 1 page, is included and is an integral part of this report.

This entire report was reviewed and approved for release.

CASE NARRATIVE

LABORATORY ID

PUI0650-01
PUI0650-02

CLIENT ID

OU3-1M-M-091211
EW-21-S-091211

MATRIX

Water
Water

SAMPLE RECEIPT: Samples were received intact, at 1°C, on ice and with chain of custody documentation.

HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the TestAmerica Sample Acceptance Policy unless otherwise noted in the report.

PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

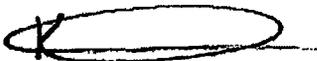
QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.
L3-Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.
S10-Surrogate recovery was above acceptance limits.
R1-The RPD exceeded the acceptance limit.

COMMENTS: No significant observations were made.

SUBCONTRACTED: No analyses were subcontracted to an outside laboratory.

ADDITIONAL INFORMATION: Revised report to reflect QAPP limits.

Reviewed By:



TestAmerica Phoenix

Kylie Emily
Project Manager

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0650

Sampled: 09/12/11
Received: 09/12/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0650-01 (OU3-1M-M-091211 - Water) | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| Acetone | EPA 8260B | 11I0627 | 10 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Benzene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Bromobenzene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Bromochloromethane | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Bromodichloromethane | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Bromoform | EPA 8260B | 11I0627 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Bromomethane | EPA 8260B | 11I0627 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 2-Butanone (MEK) | EPA 8260B | 11I0627 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| n-Butylbenzene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| sec-Butylbenzene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| tert-Butylbenzene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Carbon disulfide | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Carbon tetrachloride | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Chlorobenzene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Chloroethane | EPA 8260B | 11I0627 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Chloroform | EPA 8260B | 11I0627 | 0.50 | 0.67 | 1 | 9/19/2011 | 9/19/2011 | |
| Chloromethane | EPA 8260B | 11I0627 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 2-Chlorotoluene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 4-Chlorotoluene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Dibromochloromethane | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | L3 |
| 1,2-Dibromo-3-chloropropane | EPA 8260B | 11I0627 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dibromoethane (EDB) | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Dibromomethane | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dichlorobenzene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,3-Dichlorobenzene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,4-Dichlorobenzene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Dichlorodifluoromethane | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1-Dichloroethane | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dichloroethane | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1-Dichloroethene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| cis-1,2-Dichloroethene | EPA 8260B | 11I0627 | 0.50 | 0.70 | 1 | 9/19/2011 | 9/19/2011 | |
| trans-1,2-Dichloroethene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dichloropropane | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,3-Dichloropropane | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 2,2-Dichloropropane | EPA 8260B | 11I0627 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1-Dichloropropene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| cis-1,3-Dichloropropene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| trans-1,3-Dichloropropene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Ethylbenzene | EPA 8260B | 11I0627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Hexachlorobutadiene | EPA 8260B | 11I0627 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0650

Sampled: 09/12/11

Received: 09/12/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0650-01 (OU3-1M-M-091211 - Water) - cont. | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| 2-Hexanone | EPA 8260B | 1110627 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Iodomethane | EPA 8260B | 1110627 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | L3 |
| Isopropylbenzene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| p-Isopropyltoluene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Methylene Chloride | EPA 8260B | 1110627 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 4-Methyl-2-pentanone (MIBK) | EPA 8260B | 1110627 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Methyl-tert-butyl Ether (MTBE) | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Naphthalene | EPA 8260B | 1110627 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| n-Propylbenzene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Styrene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1,1,2-Tetrachloroethane | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1,2,2-Tetrachloroethane | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Tetrachloroethene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Toluene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2,3-Trichlorobenzene | EPA 8260B | 1110627 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2,4-Trichlorobenzene | EPA 8260B | 1110627 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1,1-Trichloroethane | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1,2-Trichloroethane | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Trichloroethene | EPA 8260B | 1110627 | 0.50 | 4.9 | 1 | 9/19/2011 | 9/19/2011 | |
| Trichlorofluoromethane | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2,3-Trichloropropane | EPA 8260B | 1110627 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2,4-Trimethylbenzene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,3,5-Trimethylbenzene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Vinyl Acetate | EPA 8260B | 1110627 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Vinyl chloride | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Xylenes, Total | EPA 8260B | 1110627 | 1.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Freon 113 | EPA 8260B | 1110627 | 2.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Surrogate: Dibromofluoromethane (80-130%) | | | | | | | | 102 % |
| Surrogate: Toluene-d8 (80-120%) | | | | | | | | 100 % |
| Surrogate: 4-Bromofluorobenzene (80-125%) | | | | | | | | 103 % |

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0650

Sampled: 09/12/11
Received: 09/12/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0650-02 (EW-21-S-091211 - Water) | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| Acetone | EPA 8260B | 1110627 | 10 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Benzene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Bromobenzene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Bromochloromethane | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Bromodichloromethane | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Bromoform | EPA 8260B | 1110627 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Bromomethane | EPA 8260B | 1110627 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 2-Butanone (MEK) | EPA 8260B | 1110627 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| n-Butylbenzene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| sec-Butylbenzene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| tert-Butylbenzene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Carbon disulfide | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Carbon tetrachloride | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Chlorobenzene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Chloroethane | EPA 8260B | 1110627 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Chloroform | EPA 8260B | 1110627 | 0.50 | 0.76 | 1 | 9/19/2011 | 9/19/2011 | |
| Chloromethane | EPA 8260B | 1110627 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 2-Chlorotoluene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 4-Chlorotoluene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Dibromochloromethane | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | L3 |
| 1,2-Dibromo-3-chloropropane | EPA 8260B | 1110627 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dibromoethane (EDB) | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Dibromomethane | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dichlorobenzene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,3-Dichlorobenzene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,4-Dichlorobenzene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Dichlorodifluoromethane | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1-Dichloroethane | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dichloroethane | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1-Dichloroethene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| cis-1,2-Dichloroethene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| trans-1,2-Dichloroethene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dichloropropane | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,3-Dichloropropane | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 2,2-Dichloropropane | EPA 8260B | 1110627 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1-Dichloropropene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| cis-1,3-Dichloropropene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| trans-1,3-Dichloropropene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Ethylbenzene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Hexachlorobutadiene | EPA 8260B | 1110627 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0650

Sampled: 09/12/11
Received: 09/12/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0650-02 (EW-21-S-091211 - Water) - cont. | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| 2-Hexanone | EPA 8260B | 1110627 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Iodomethane | EPA 8260B | 1110627 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | L3 |
| Isopropylbenzene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| p-Isopropyltoluene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Methylene Chloride | EPA 8260B | 1110627 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 4-Methyl-2-pentanone (MIBK) | EPA 8260B | 1110627 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Methyl-tert-butyl Ether (MTBE) | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Naphthalene | EPA 8260B | 1110627 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| n-Propylbenzene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Styrene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1,1,2-Tetrachloroethane | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1,2,2-Tetrachloroethane | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Tetrachloroethene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Toluene | EPA 8260B | 1110627 | 0.50 | 0.50 | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2,3-Trichlorobenzene | EPA 8260B | 1110627 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2,4-Trichlorobenzene | EPA 8260B | 1110627 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1,1-Trichloroethane | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1,2-Trichloroethane | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Trichloroethene | EPA 8260B | 1110627 | 0.50 | 1.9 | 1 | 9/19/2011 | 9/19/2011 | |
| Trichlorofluoromethane | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2,3-Trichloropropane | EPA 8260B | 1110627 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2,4-Trimethylbenzene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,3,5-Trimethylbenzene | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Vinyl Acetate | EPA 8260B | 1110627 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Vinyl chloride | EPA 8260B | 1110627 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Xylenes, Total | EPA 8260B | 1110627 | 1.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Freon 113 | EPA 8260B | 1110627 | 2.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Surrogate: Dibromofluoromethane (80-130%) | | | | 101 % | | | | |
| Surrogate: Toluene-d8 (80-120%) | | | | 100 % | | | | |
| Surrogate: 4-Bromofluorobenzene (80-125%) | | | | 102 % | | | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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PUI0650 <Page 5 of 19>

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0650

Sampled: 09/12/11
Received: 09/12/11

1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0650-01 (OU3-1M-M-091211 - Water) | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| 1,4-Dioxane | EPA 8270C | 1110534 | 1.0 | ND | 1.06 | 9/15/2011 | 9/16/2011 | |
| Surrogate: 1,4-Dioxane-d8 (38.6-88.3%) | | | | 71 % | | | | |
| Surrogate: Nitrobenzene-d5 (59.9-120%) | | | | 88 % | | | | |
| Sample ID: PUI0650-02 (EW-21-S-091211 - Water) | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| 1,4-Dioxane | EPA 8270C | 1110534 | 1.0 | ND | 1.06 | 9/15/2011 | 9/16/2011 | |
| Surrogate: 1,4-Dioxane-d8 (38.6-88.3%) | | | | 73 % | | | | |
| Surrogate: Nitrobenzene-d5 (59.9-120%) | | | | 98 % | | | | |

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PUI0650 <Page 6 of 19>

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030
Report Number: PUI0650

Sampled: 09/12/11
Received: 09/12/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | RPD Limits RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------|-----------|----------------|-----------|-----------------|
| Batch: 1110627 Extracted: 09/19/11 | | | | | | | | | |
| Blank Analyzed: 09/19/2011 (1110627-BLK1) | | | | | | | | | |
| Acetone | ND | 10 | ug/l | | | | | | |
| Benzene | ND | 0.50 | ug/l | | | | | | |
| Bromobenzene | ND | 0.50 | ug/l | | | | | | |
| Bromochloromethane | ND | 0.50 | ug/l | | | | | | |
| Bromodichloromethane | ND | 0.50 | ug/l | | | | | | |
| Bromoform | ND | 1.0 | ug/l | | | | | | |
| Bromomethane | ND | 1.0 | ug/l | | | | | | |
| 2-Butanone (MEK) | ND | 2.5 | ug/l | | | | | | |
| n-Butylbenzene | ND | 0.50 | ug/l | | | | | | |
| sec-Butylbenzene | ND | 0.50 | ug/l | | | | | | |
| tert-Butylbenzene | ND | 0.50 | ug/l | | | | | | |
| Carbon disulfide | ND | 0.50 | ug/l | | | | | | |
| Carbon tetrachloride | ND | 0.50 | ug/l | | | | | | |
| Chlorobenzene | ND | 0.50 | ug/l | | | | | | |
| Chloroethane | ND | 1.0 | ug/l | | | | | | |
| Chloroform | ND | 0.50 | ug/l | | | | | | |
| Chloromethane | ND | 1.0 | ug/l | | | | | | |
| 2-Chlorotoluene | ND | 0.50 | ug/l | | | | | | |
| 4-Chlorotoluene | ND | 0.50 | ug/l | | | | | | |
| Dibromochloromethane | ND | 0.50 | ug/l | | | | | | |
| 1,2-Dibromo-3-chloropropane | ND | 2.5 | ug/l | | | | | | |
| 1,2-Dibromoethane (EDB) | ND | 0.50 | ug/l | | | | | | |
| Dibromomethane | ND | 0.50 | ug/l | | | | | | |
| 1,2-Dichlorobenzene | ND | 0.50 | ug/l | | | | | | |
| 1,3-Dichlorobenzene | ND | 0.50 | ug/l | | | | | | |
| 1,4-Dichlorobenzene | ND | 0.50 | ug/l | | | | | | |
| Dichlorodifluoromethane | ND | 0.50 | ug/l | | | | | | |
| 1,1-Dichloroethane | ND | 0.50 | ug/l | | | | | | |
| 1,2-Dichloroethane | ND | 0.50 | ug/l | | | | | | |
| 1,1-Dichloroethene | ND | 0.50 | ug/l | | | | | | |
| cis-1,2-Dichloroethene | ND | 0.50 | ug/l | | | | | | |
| trans-1,2-Dichloroethene | ND | 0.50 | ug/l | | | | | | |
| 1,2-Dichloropropane | ND | 0.50 | ug/l | | | | | | |
| 1,3-Dichloropropane | ND | 0.50 | ug/l | | | | | | |
| 2,2-Dichloropropane | ND | 1.0 | ug/l | | | | | | |

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0650

Sampled: 09/12/11
Received: 09/12/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | RPD Limits | RPD RPD | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------|-----------|------------|---------|-----------------|
| Batch: 11I0627 Extracted: 09/19/11 | | | | | | | | | |
| Blank Analyzed: 09/19/2011 (11I0627-BLK1) | | | | | | | | | |
| 1,1-Dichloropropene | ND | 0.50 | ug/l | | | | | | |
| cis-1,3-Dichloropropene | ND | 0.50 | ug/l | | | | | | |
| trans-1,3-Dichloropropene | ND | 0.50 | ug/l | | | | | | |
| Ethylbenzene | ND | 0.50 | ug/l | | | | | | |
| Hexachlorobutadiene | ND | 1.0 | ug/l | | | | | | |
| 2-Hexanone | ND | 2.5 | ug/l | | | | | | |
| Iodomethane | ND | 2.5 | ug/l | | | | | | |
| Isopropylbenzene | ND | 0.50 | ug/l | | | | | | |
| p-Isopropyltoluene | ND | 0.50 | ug/l | | | | | | |
| Methylene Chloride | ND | 1.0 | ug/l | | | | | | |
| 4-Methyl-2-pentanone (MIBK) | ND | 2.5 | ug/l | | | | | | |
| Methyl-tert-butyl Ether (MTBE) | ND | 0.50 | ug/l | | | | | | |
| Naphthalene | ND | 2.5 | ug/l | | | | | | |
| n-Propylbenzene | ND | 0.50 | ug/l | | | | | | |
| Styrene | ND | 0.50 | ug/l | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 0.50 | ug/l | | | | | | |
| 1,1,2,2-Tetrachloroethane | ND | 0.50 | ug/l | | | | | | |
| Tetrachloroethene | ND | 0.50 | ug/l | | | | | | |
| Toluene | ND | 0.50 | ug/l | | | | | | |
| 1,2,3-Trichlorobenzene | ND | 1.0 | ug/l | | | | | | |
| 1,2,4-Trichlorobenzene | ND | 1.0 | ug/l | | | | | | |
| 1,1,1-Trichloroethane | ND | 0.50 | ug/l | | | | | | |
| 1,1,2-Trichloroethane | ND | 0.50 | ug/l | | | | | | |
| Trichloroethene | ND | 0.50 | ug/l | | | | | | |
| Trichlorofluoromethane | ND | 0.50 | ug/l | | | | | | |
| 1,2,3-Trichloropropane | ND | 1.0 | ug/l | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 0.50 | ug/l | | | | | | |
| 1,3,5-Trimethylbenzene | ND | 0.50 | ug/l | | | | | | |
| Vinyl Acetate | ND | 1.0 | ug/l | | | | | | |
| Vinyl chloride | ND | 0.50 | ug/l | | | | | | |
| Xylenes, Total | ND | 1.5 | ug/l | | | | | | |
| Freon 113 | ND | 2.0 | ug/l | | | | | | |
| Surrogate: Dibromofluoromethane | 24.3 | | ug/l | 25.0 | | 97 | 80-130 | | |
| Surrogate: Toluene-d8 | 24.9 | | ug/l | 25.0 | | 100 | 80-120 | | |
| Surrogate: 4-Bromofluorobenzene | 25.0 | | ug/l | 25.0 | | 100 | 80-125 | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0650

Sampled: 09/12/11
Received: 09/12/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | Limit | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-------|-------------|---------------|-----------|--------|-----|-----------|-----------------|
| Batch: 11I0627 Extracted: 09/19/11 | | | | | | | | | | |
| LCS Analyzed: 09/19/2011 (11I0627-BS1) | | | | | | | | | | |
| Acetone | 21.2 | 10 | ug/l | 25.0 | | 85 | 10-150 | | | |
| Benzene | 27.7 | 0.50 | ug/l | 25.0 | | 111 | 80-120 | | | |
| Bromobenzene | 28.5 | 0.50 | ug/l | 25.0 | | 114 | 80-120 | | | |
| Bromochloromethane | 26.7 | 0.50 | ug/l | 25.0 | | 107 | 80-125 | | | |
| Bromodichloromethane | 27.7 | 0.50 | ug/l | 25.0 | | 111 | 80-120 | | | |
| Bromoform | 26.8 | 1.0 | ug/l | 25.0 | | 107 | 75-130 | | | |
| Bromomethane | 23.2 | 1.0 | ug/l | 25.0 | | 93 | 55-150 | | | |
| 2-Butanone (MEK) | 23.3 | 2.5 | ug/l | 25.0 | | 93 | 40-150 | | | |
| n-Butylbenzene | 28.7 | 0.50 | ug/l | 25.0 | | 115 | 80-130 | | | |
| sec-Butylbenzene | 28.1 | 0.50 | ug/l | 25.0 | | 112 | 80-125 | | | |
| tert-Butylbenzene | 29.6 | 0.50 | ug/l | 25.0 | | 118 | 80-120 | | | |
| Carbon disulfide | 33.3 | 0.50 | ug/l | 25.0 | | 133 | 70-140 | | | |
| Carbon tetrachloride | 30.5 | 0.50 | ug/l | 25.0 | | 122 | 75-130 | | | |
| Chlorobenzene | 28.4 | 0.50 | ug/l | 25.0 | | 114 | 80-120 | | | |
| Chloroethane | 26.2 | 1.0 | ug/l | 25.0 | | 105 | 70-130 | | | |
| Chloroform | 26.2 | 0.50 | ug/l | 25.0 | | 105 | 75-120 | | | |
| Chloromethane | 22.6 | 1.0 | ug/l | 25.0 | | 90 | 60-140 | | | |
| 2-Chlorotoluene | 27.8 | 0.50 | ug/l | 25.0 | | 111 | 80-120 | | | |
| 4-Chlorotoluene | 28.6 | 0.50 | ug/l | 25.0 | | 114 | 80-120 | | | |
| Dibromochloromethane | 30.3 | 0.50 | ug/l | 25.0 | | 121 | 80-120 | | | L3 |
| 1,2-Dibromo-3-chloropropane | 27.5 | 2.5 | ug/l | 25.0 | | 110 | 50-150 | | | |
| 1,2-Dibromoethane (EDB) | 27.2 | 0.50 | ug/l | 25.0 | | 109 | 80-120 | | | |
| Dibromomethane | 25.9 | 0.50 | ug/l | 25.0 | | 104 | 75-120 | | | |
| 1,2-Dichlorobenzene | 28.8 | 0.50 | ug/l | 25.0 | | 115 | 80-120 | | | |
| 1,3-Dichlorobenzene | 28.3 | 0.50 | ug/l | 25.0 | | 113 | 80-120 | | | |
| 1,4-Dichlorobenzene | 28.4 | 0.50 | ug/l | 25.0 | | 113 | 80-120 | | | |
| Dichlorodifluoromethane | 28.2 | 0.50 | ug/l | 25.0 | | 113 | 60-150 | | | |
| 1,1-Dichloroethane | 27.7 | 0.50 | ug/l | 25.0 | | 111 | 70-125 | | | |
| 1,2-Dichloroethane | 27.0 | 0.50 | ug/l | 25.0 | | 108 | 75-130 | | | |
| 1,1-Dichloroethene | 28.2 | 0.50 | ug/l | 25.0 | | 113 | 75-125 | | | |
| cis-1,2-Dichloroethene | 25.3 | 0.50 | ug/l | 25.0 | | 101 | 80-120 | | | |
| trans-1,2-Dichloroethene | 27.4 | 0.50 | ug/l | 25.0 | | 109 | 80-120 | | | |
| 1,2-Dichloropropane | 27.2 | 0.50 | ug/l | 25.0 | | 109 | 80-120 | | | |
| 1,3-Dichloropropane | 26.1 | 0.50 | ug/l | 25.0 | | 104 | 80-120 | | | |
| 2,2-Dichloropropane | 29.1 | 1.0 | ug/l | 25.0 | | 116 | 75-130 | | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0650

Sampled: 09/12/11
Received: 09/12/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | Limit | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-------|-------------|---------------|-----------|--------|-----|-----------|-----------------|
| Batch: 1110627 Extracted: 09/19/11 | | | | | | | | | | |
| LCS Analyzed: 09/19/2011 (1110627-BS1) | | | | | | | | | | |
| 1,1-Dichloropropene | 28.0 | 0.50 | ug/l | 25.0 | | 112 | 75-120 | | | |
| cis-1,3-Dichloropropene | 29.0 | 0.50 | ug/l | 25.0 | | 116 | 80-120 | | | |
| trans-1,3-Dichloropropene | 28.9 | 0.50 | ug/l | 25.0 | | 115 | 80-125 | | | |
| Ethylbenzene | 27.9 | 0.50 | ug/l | 25.0 | | 112 | 80-120 | | | |
| Hexachlorobutadiene | 29.5 | 1.0 | ug/l | 25.0 | | 118 | 40-150 | | | |
| 2-Hexanone | 26.1 | 2.5 | ug/l | 25.0 | | 105 | 20-150 | | | |
| Iodomethane | 32.9 | 2.5 | ug/l | 25.0 | | 132 | 80-130 | | | L3 |
| Isopropylbenzene | 30.6 | 0.50 | ug/l | 25.0 | | 123 | 80-130 | | | |
| p-Isopropyltoluene | 29.3 | 0.50 | ug/l | 25.0 | | 117 | 80-130 | | | |
| Methylene Chloride | 24.4 | 1.0 | ug/l | 25.0 | | 98 | 70-120 | | | |
| 4-Methyl-2-pentanone (MIBK) | 27.0 | 2.5 | ug/l | 25.0 | | 108 | 60-135 | | | |
| Methyl-tert-butyl Ether (MTBE) | 25.5 | 0.50 | ug/l | 25.0 | | 102 | 70-130 | | | |
| Naphthalene | 30.5 | 2.5 | ug/l | 25.0 | | 122 | 40-150 | | | |
| n-Propylbenzene | 29.3 | 0.50 | ug/l | 25.0 | | 117 | 75-130 | | | |
| Styrene | 27.0 | 0.50 | ug/l | 25.0 | | 108 | 80-120 | | | |
| 1,1,1,2-Tetrachloroethane | 28.9 | 0.50 | ug/l | 25.0 | | 116 | 75-125 | | | |
| 1,1,2,2-Tetrachloroethane | 26.6 | 0.50 | ug/l | 25.0 | | 106 | 80-120 | | | |
| Tetrachloroethene | 29.3 | 0.50 | ug/l | 25.0 | | 117 | 70-130 | | | |
| Toluene | 26.9 | 0.50 | ug/l | 25.0 | | 108 | 80-120 | | | |
| 1,2,3-Trichlorobenzene | 29.5 | 1.0 | ug/l | 25.0 | | 118 | 55-150 | | | |
| 1,2,4-Trichlorobenzene | 29.6 | 1.0 | ug/l | 25.0 | | 118 | 50-150 | | | |
| 1,1,1-Trichloroethane | 28.6 | 0.50 | ug/l | 25.0 | | 115 | 75-125 | | | |
| 1,1,2-Trichloroethane | 26.3 | 0.50 | ug/l | 25.0 | | 105 | 80-120 | | | |
| Trichloroethene | 27.7 | 0.50 | ug/l | 25.0 | | 111 | 80-120 | | | |
| Trichlorofluoromethane | 29.1 | 0.50 | ug/l | 25.0 | | 116 | 70-150 | | | |
| 1,2,3-Trichloropropane | 27.6 | 1.0 | ug/l | 25.0 | | 110 | 70-130 | | | |
| 1,2,4-Trimethylbenzene | 28.1 | 0.50 | ug/l | 25.0 | | 112 | 80-120 | | | |
| 1,3,5-Trimethylbenzene | 29.3 | 0.50 | ug/l | 25.0 | | 117 | 80-130 | | | |
| Vinyl Acetate | 28.7 | 1.0 | ug/l | 25.0 | | 115 | 40-150 | | | |
| Vinyl chloride | 24.5 | 0.50 | ug/l | 25.0 | | 98 | 70-130 | | | |
| Xylenes, Total | 52.7 | 1.5 | ug/l | 50.0 | | 105 | 60-140 | | | |
| Freon 113 | 29.9 | 2.0 | ug/l | 25.0 | | 120 | 60-140 | | | |
| Surrogate: Dibromofluoromethane | 24.0 | | ug/l | 25.0 | | 96 | 80-130 | | | |
| Surrogate: Toluene-d8 | 25.0 | | ug/l | 25.0 | | 100 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 23.8 | | ug/l | 25.0 | | 95 | 80-125 | | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0650

Sampled: 09/12/11

Received: 09/12/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------|-----------|-------------|---------|-----------|-----------------|
| Batch: 1110627 Extracted: 09/19/11 | | | | | | | | | | |
| LCS Dup Analyzed: 09/19/2011 (1110627-BSD1) | | | | | | | | | | |
| Acetone | 19.4 | 10 | ug/l | 25.0 | | 78 | 10-150 | 9 | 35 | |
| Benzene | 24.4 | 0.50 | ug/l | 25.0 | | 98 | 80-120 | 13 | 15 | |
| Bromobenzene | 25.4 | 0.50 | ug/l | 25.0 | | 102 | 80-120 | 12 | 15 | |
| Bromochloromethane | 24.3 | 0.50 | ug/l | 25.0 | | 97 | 80-125 | 9 | 15 | |
| Bromodichloromethane | 24.7 | 0.50 | ug/l | 25.0 | | 99 | 80-120 | 11 | 15 | |
| Bromoform | 25.1 | 1.0 | ug/l | 25.0 | | 100 | 75-130 | 7 | 20 | |
| Bromomethane | 21.1 | 1.0 | ug/l | 25.0 | | 85 | 55-150 | 9 | 20 | |
| 2-Butanone (MEK) | 22.0 | 2.5 | ug/l | 25.0 | | 88 | 40-150 | 6 | 35 | |
| n-Butylbenzene | 24.8 | 0.50 | ug/l | 25.0 | | 99 | 80-130 | 15 | 15 | |
| sec-Butylbenzene | 24.5 | 0.50 | ug/l | 25.0 | | 98 | 80-125 | 14 | 15 | |
| tert-Butylbenzene | 25.9 | 0.50 | ug/l | 25.0 | | 104 | 80-120 | 13 | 15 | |
| Carbon disulfide | 29.8 | 0.50 | ug/l | 25.0 | | 119 | 70-140 | 11 | 15 | |
| Carbon tetrachloride | 27.4 | 0.50 | ug/l | 25.0 | | 110 | 75-130 | 11 | 20 | |
| Chlorobenzene | 25.1 | 0.50 | ug/l | 25.0 | | 100 | 80-120 | 13 | 15 | |
| Chloroethane | 23.9 | 1.0 | ug/l | 25.0 | | 95 | 70-130 | 9 | 15 | |
| Chloroform | 23.3 | 0.50 | ug/l | 25.0 | | 93 | 75-120 | 12 | 15 | |
| Chloromethane | 20.4 | 1.0 | ug/l | 25.0 | | 82 | 60-140 | 10 | 20 | |
| 2-Chlorotoluene | 24.0 | 0.50 | ug/l | 25.0 | | 96 | 80-120 | 14 | 15 | |
| 4-Chlorotoluene | 24.9 | 0.50 | ug/l | 25.0 | | 99 | 80-120 | 14 | 15 | |
| Dibromochloromethane | 27.7 | 0.50 | ug/l | 25.0 | | 111 | 80-120 | 9 | 15 | |
| 1,2-Dibromo-3-chloropropane | 26.1 | 2.5 | ug/l | 25.0 | | 105 | 50-150 | 5 | 35 | |
| 1,2-Dibromoethane (EDB) | 25.5 | 0.50 | ug/l | 25.0 | | 102 | 80-120 | 7 | 15 | |
| Dibromomethane | 23.9 | 0.50 | ug/l | 25.0 | | 96 | 75-120 | 8 | 15 | |
| 1,2-Dichlorobenzene | 25.9 | 0.50 | ug/l | 25.0 | | 104 | 80-120 | 11 | 15 | |
| 1,3-Dichlorobenzene | 24.6 | 0.50 | ug/l | 25.0 | | 98 | 80-120 | 14 | 15 | |
| 1,4-Dichlorobenzene | 25.2 | 0.50 | ug/l | 25.0 | | 101 | 80-120 | 12 | 15 | |
| Dichlorodifluoromethane | 25.7 | 0.50 | ug/l | 25.0 | | 103 | 60-150 | 9 | 30 | |
| 1,1-Dichloroethane | 24.4 | 0.50 | ug/l | 25.0 | | 98 | 70-125 | 12 | 15 | |
| 1,2-Dichloroethane | 24.0 | 0.50 | ug/l | 25.0 | | 96 | 75-130 | 12 | 15 | |
| 1,1-Dichloroethene | 25.2 | 0.50 | ug/l | 25.0 | | 101 | 75-125 | 11 | 20 | |
| cis-1,2-Dichloroethene | 22.2 | 0.50 | ug/l | 25.0 | | 89 | 80-120 | 13 | 15 | |
| trans-1,2-Dichloroethene | 24.2 | 0.50 | ug/l | 25.0 | | 97 | 80-120 | 12 | 15 | |
| 1,2-Dichloropropane | 24.0 | 0.50 | ug/l | 25.0 | | 96 | 80-120 | 12 | 15 | |
| 1,3-Dichloropropane | 23.9 | 0.50 | ug/l | 25.0 | | 96 | 80-120 | 9 | 15 | |
| 2,2-Dichloropropane | 25.0 | 1.0 | ug/l | 25.0 | | 100 | 75-130 | 15 | 15 | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0650

Sampled: 09/12/11
Received: 09/12/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source | | %REC | | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|--------|--------|--------|-----|-----------|-----------------|
| | | | | | Result | %REC | Limits | RPD | | |
| Batch: 1110627 Extracted: 09/19/11 | | | | | | | | | | |
| LCS Dup Analyzed: 09/19/2011 (1110627-BSD1) | | | | | | | | | | |
| 1,1-Dichloropropene | 25.0 | 0.50 | ug/l | 25.0 | 100 | 75-120 | 11 | 15 | | |
| cis-1,3-Dichloropropene | 26.0 | 0.50 | ug/l | 25.0 | 104 | 80-120 | 11 | 15 | | |
| trans-1,3-Dichloropropene | 26.4 | 0.50 | ug/l | 25.0 | 106 | 80-125 | 9 | 15 | | |
| Ethylbenzene | 24.6 | 0.50 | ug/l | 25.0 | 99 | 80-120 | 13 | 15 | | |
| Hexachlorobutadiene | 25.7 | 1.0 | ug/l | 25.0 | 103 | 40-150 | 14 | 35 | | |
| 2-Hexanone | 25.0 | 2.5 | ug/l | 25.0 | 100 | 20-150 | 5 | 35 | | |
| Iodomethane | 29.6 | 2.5 | ug/l | 25.0 | 118 | 80-130 | 11 | 10 | | R6 |
| Isopropylbenzene | 26.7 | 0.50 | ug/l | 25.0 | 107 | 80-130 | 14 | 15 | | |
| p-Isopropyltoluene | 25.2 | 0.50 | ug/l | 25.0 | 101 | 80-130 | 15 | 15 | | |
| Methylene Chloride | 22.0 | 1.0 | ug/l | 25.0 | 88 | 70-120 | 10 | 15 | | |
| 4-Methyl-2-pentanone (MIBK) | 25.8 | 2.5 | ug/l | 25.0 | 103 | 60-135 | 5 | 25 | | |
| Methyl-tert-butyl Ether (MTBE) | 23.5 | 0.50 | ug/l | 25.0 | 94 | 70-130 | 8 | 20 | | |
| Naphthalene | 29.2 | 2.5 | ug/l | 25.0 | 117 | 40-150 | 4 | 30 | | |
| n-Propylbenzene | 25.4 | 0.50 | ug/l | 25.0 | 102 | 75-130 | 14 | 15 | | |
| Styrene | 24.0 | 0.50 | ug/l | 25.0 | 96 | 80-120 | 11 | 15 | | |
| 1,1,1,2-Tetrachloroethane | 26.2 | 0.50 | ug/l | 25.0 | 105 | 75-125 | 10 | 15 | | |
| 1,1,2,2-Tetrachloroethane | 24.4 | 0.50 | ug/l | 25.0 | 97 | 80-120 | 9 | 20 | | |
| Tetrachloroethene | 26.2 | 0.50 | ug/l | 25.0 | 105 | 70-130 | 11 | 20 | | |
| Toluene | 23.8 | 0.50 | ug/l | 25.0 | 95 | 80-120 | 12 | 15 | | |
| 1,2,3-Trichlorobenzene | 27.7 | 1.0 | ug/l | 25.0 | 111 | 55-150 | 6 | 35 | | |
| 1,2,4-Trichlorobenzene | 27.2 | 1.0 | ug/l | 25.0 | 109 | 50-150 | 8 | 30 | | |
| 1,1,1-Trichloroethane | 25.4 | 0.50 | ug/l | 25.0 | 102 | 75-125 | 12 | 15 | | |
| 1,1,2-Trichloroethane | 24.1 | 0.50 | ug/l | 25.0 | 96 | 80-120 | 9 | 15 | | |
| Trichloroethene | 24.3 | 0.50 | ug/l | 25.0 | 97 | 80-120 | 13 | 15 | | |
| Trichlorofluoromethane | 26.5 | 0.50 | ug/l | 25.0 | 106 | 70-150 | 9 | 25 | | |
| 1,2,3-Trichloropropane | 25.5 | 1.0 | ug/l | 25.0 | 102 | 70-130 | 8 | 20 | | |
| 1,2,4-Trimethylbenzene | 24.3 | 0.50 | ug/l | 25.0 | 97 | 80-120 | 14 | 15 | | |
| 1,3,5-Trimethylbenzene | 25.5 | 0.50 | ug/l | 25.0 | 102 | 80-130 | 14 | 15 | | |
| Vinyl Acetate | 27.0 | 1.0 | ug/l | 25.0 | 108 | 40-150 | 6 | 25 | | |
| Vinyl chloride | 21.6 | 0.50 | ug/l | 25.0 | 86 | 70-130 | 13 | 20 | | |
| Xylenes, Total | 46.7 | 1.5 | ug/l | 50.0 | 93 | 60-140 | 12 | 15 | | |
| Freon 113 | 26.8 | 2.0 | ug/l | 25.0 | 107 | 60-140 | 11 | 15 | | |
| Surrogate: Dibromofluoromethane | 24.6 | | ug/l | 25.0 | 98 | 80-130 | | | | |
| Surrogate: Toluene-d8 | 24.7 | | ug/l | 25.0 | 99 | 80-120 | | | | |
| Surrogate: 4-Bromofluorobenzene | 24.3 | | ug/l | 25.0 | 97 | 80-125 | | | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
 7272 E. Indian School Rd., Ste. 100
 Scottsdale, AZ 85251
 Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0650

Sampled: 09/12/11
 Received: 09/12/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------------------|------|-------------|-----|-----------|-----------------|
| Batch: 1110627 Extracted: 09/19/11 | | | | | | | | | | |
| Matrix Spike Analyzed: 09/19/2011 (1110627-MS1) | | | | | Source: PUI0649-01 | | | | | |
| Acetone | 15.3 | 10 | ug/l | 25.0 | ND | 61 | 10-150 | | | |
| Benzene | 23.6 | 0.50 | ug/l | 25.0 | ND | 94 | 70-125 | | | |
| Bromobenzene | 24.0 | 0.50 | ug/l | 25.0 | ND | 96 | 75-120 | | | |
| Bromochloromethane | 22.4 | 0.50 | ug/l | 25.0 | ND | 89 | 75-130 | | | |
| Bromodichloromethane | 23.0 | 0.50 | ug/l | 25.0 | ND | 92 | 75-125 | | | |
| Bromoform | 21.9 | 1.0 | ug/l | 25.0 | ND | 88 | 65-125 | | | |
| Bromomethane | 19.2 | 1.0 | ug/l | 25.0 | ND | 77 | 45-150 | | | |
| 2-Butanone (MEK) | 17.7 | 2.5 | ug/l | 25.0 | ND | 71 | 15-150 | | | |
| n-Butylbenzene | 25.0 | 0.50 | ug/l | 25.0 | ND | 100 | 70-130 | | | |
| sec-Butylbenzene | 24.7 | 0.50 | ug/l | 25.0 | ND | 99 | 70-125 | | | |
| tert-Butylbenzene | 25.8 | 0.50 | ug/l | 25.0 | ND | 103 | 70-125 | | | |
| Carbon disulfide | 28.4 | 0.50 | ug/l | 25.0 | ND | 114 | 65-145 | | | |
| Carbon tetrachloride | 27.2 | 0.50 | ug/l | 25.0 | ND | 109 | 65-135 | | | |
| Chlorobenzene | 24.0 | 0.50 | ug/l | 25.0 | ND | 96 | 75-120 | | | |
| Chloroethane | 22.0 | 1.0 | ug/l | 25.0 | ND | 88 | 65-140 | | | |
| Chloroform | 22.3 | 0.50 | ug/l | 25.0 | ND | 89 | 70-130 | | | |
| Chloromethane | 18.8 | 1.0 | ug/l | 25.0 | ND | 75 | 55-145 | | | |
| 2-Chlorotoluene | 23.6 | 0.50 | ug/l | 25.0 | ND | 94 | 70-125 | | | |
| 4-Chlorotoluene | 24.4 | 0.50 | ug/l | 25.0 | ND | 98 | 70-125 | | | |
| Dibromochloromethane | 24.4 | 0.50 | ug/l | 25.0 | ND | 98 | 70-130 | | | |
| 1,2-Dibromo-3-chloropropane | 22.8 | 2.5 | ug/l | 25.0 | ND | 91 | 50-150 | | | |
| 1,2-Dibromoethane (EDB) | 22.3 | 0.50 | ug/l | 25.0 | ND | 89 | 70-125 | | | |
| Dibromomethane | 21.9 | 0.50 | ug/l | 25.0 | ND | 87 | 70-120 | | | |
| 1,2-Dichlorobenzene | 24.2 | 0.50 | ug/l | 25.0 | ND | 97 | 75-120 | | | |
| 1,3-Dichlorobenzene | 23.7 | 0.50 | ug/l | 25.0 | ND | 95 | 75-120 | | | |
| 1,4-Dichlorobenzene | 24.4 | 0.50 | ug/l | 25.0 | ND | 97 | 70-125 | | | |
| Dichlorodifluoromethane | 24.4 | 0.50 | ug/l | 25.0 | ND | 98 | 60-150 | | | |
| 1,1-Dichloroethane | 23.4 | 0.50 | ug/l | 25.0 | ND | 93 | 70-130 | | | |
| 1,2-Dichloroethane | 22.0 | 0.50 | ug/l | 25.0 | ND | 88 | 65-140 | | | |
| 1,1-Dichloroethene | 24.5 | 0.50 | ug/l | 25.0 | ND | 98 | 70-130 | | | |
| cis-1,2-Dichloroethene | 21.6 | 0.50 | ug/l | 25.0 | ND | 86 | 70-125 | | | |
| trans-1,2-Dichloroethene | 23.7 | 0.50 | ug/l | 25.0 | ND | 95 | 75-125 | | | |
| 1,2-Dichloropropane | 22.6 | 0.50 | ug/l | 25.0 | ND | 90 | 75-125 | | | |
| 1,3-Dichloropropane | 21.5 | 0.50 | ug/l | 25.0 | ND | 86 | 70-120 | | | |
| 2,2-Dichloropropane | 24.0 | 1.0 | ug/l | 25.0 | ND | 96 | 65-140 | | | |

TestAmerica Phoenix

Kylie Emily
 Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0650

Sampled: 09/12/11

Received: 09/12/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | RPD Limits | RPD RPD | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------------------|-----------|------------|---------|-----------------|
| Batch: 1110627 Extracted: 09/19/11 | | | | | | | | | |
| Matrix Spike Analyzed: 09/19/2011 (1110627-MS1) | | | | | Source: PUI0649-01 | | | | |
| 1,1-Dichloropropene | 24.5 | 0.50 | ug/l | 25.0 | ND | 98 | 65-130 | | |
| cis-1,3-Dichloropropene | 24.6 | 0.50 | ug/l | 25.0 | ND | 98 | 75-130 | | |
| trans-1,3-Dichloropropene | 23.7 | 0.50 | ug/l | 25.0 | ND | 95 | 70-130 | | |
| Ethylbenzene | 24.0 | 0.50 | ug/l | 25.0 | ND | 96 | 70-125 | | |
| Hexachlorobutadiene | 26.6 | 1.0 | ug/l | 25.0 | ND | 106 | 40-150 | | |
| 2-Hexanone | 19.8 | 2.5 | ug/l | 25.0 | ND | 79 | 20-150 | | |
| Iodomethane | 28.2 | 2.5 | ug/l | 25.0 | ND | 113 | 60-150 | | |
| Isopropylbenzene | 26.4 | 0.50 | ug/l | 25.0 | ND | 106 | 75-130 | | |
| p-Isopropyltoluene | 25.4 | 0.50 | ug/l | 25.0 | ND | 102 | 70-130 | | |
| Methylene Chloride | 20.0 | 1.0 | ug/l | 25.0 | ND | 80 | 65-130 | | |
| 4-Methyl-2-pentanone (MIBK) | 21.0 | 2.5 | ug/l | 25.0 | ND | 84 | 55-135 | | |
| Methyl-tert-butyl Ether (MTBE) | 20.1 | 0.50 | ug/l | 25.0 | ND | 80 | 65-140 | | |
| Naphthalene | 26.3 | 2.5 | ug/l | 25.0 | ND | 105 | 40-150 | | |
| n-Propylbenzene | 25.6 | 0.50 | ug/l | 25.0 | ND | 102 | 70-130 | | |
| Styrene | 20.7 | 0.50 | ug/l | 25.0 | ND | 83 | 55-135 | | |
| 1,1,1,2-Tetrachloroethane | 24.7 | 0.50 | ug/l | 25.0 | ND | 99 | 70-125 | | |
| 1,1,2,2-Tetrachloroethane | 21.3 | 0.50 | ug/l | 25.0 | ND | 85 | 70-125 | | |
| Tetrachloroethene | 25.8 | 0.50 | ug/l | 25.0 | ND | 103 | 65-130 | | |
| Toluene | 23.4 | 0.50 | ug/l | 25.0 | 0.280 | 93 | 70-125 | | |
| 1,2,3-Trichlorobenzene | 26.0 | 1.0 | ug/l | 25.0 | ND | 104 | 50-150 | | |
| 1,2,4-Trichlorobenzene | 26.1 | 1.0 | ug/l | 25.0 | ND | 104 | 50-150 | | |
| 1,1,1-Trichloroethane | 24.9 | 0.50 | ug/l | 25.0 | ND | 99 | 70-130 | | |
| 1,1,2-Trichloroethane | 21.3 | 0.50 | ug/l | 25.0 | ND | 85 | 75-125 | | |
| Trichloroethene | 24.2 | 0.50 | ug/l | 25.0 | 0.370 | 96 | 70-125 | | |
| Trichlorofluoromethane | 24.6 | 0.50 | ug/l | 25.0 | ND | 98 | 65-150 | | |
| 1,2,3-Trichloropropane | 21.6 | 1.0 | ug/l | 25.0 | ND | 86 | 70-130 | | |
| 1,2,4-Trimethylbenzene | 22.7 | 0.50 | ug/l | 25.0 | ND | 91 | 70-125 | | |
| 1,3,5-Trimethylbenzene | 24.7 | 0.50 | ug/l | 25.0 | ND | 99 | 75-130 | | |
| Vinyl Acetate | 23.3 | 1.0 | ug/l | 25.0 | ND | 93 | 40-150 | | |
| Vinyl chloride | 21.6 | 0.50 | ug/l | 25.0 | ND | 86 | 60-140 | | |
| Xylenes, Total | 44.8 | 1.5 | ug/l | 50.0 | ND | 90 | 75-120 | | |
| Freon 113 | 26.3 | 2.0 | ug/l | 25.0 | ND | 105 | 65-140 | | |
| Surrogate: Dibromofluoromethane | 24.3 | | ug/l | 25.0 | | 97 | 80-130 | | |
| Surrogate: Toluene-d8 | 25.0 | | ug/l | 25.0 | | 100 | 80-120 | | |
| Surrogate: 4-Bromofluorobenzene | 23.7 | | ug/l | 25.0 | | 95 | 80-125 | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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PUI0650 <Page 14 of 19>

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0650

Sampled: 09/12/11
Received: 09/12/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | Limit | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-------|-------------|---------------|-----------|--------|------|-----------|-----------------|
| Batch: 1110627 Extracted: 09/19/11 | | | | | | | | | | |
| Matrix Spike Dup Analyzed: 09/19/2011 (1110627-MSD1) | | | | | | | | | | |
| Source: PUI0649-01 | | | | | | | | | | |
| Acetone | 17.2 | 10 | ug/l | 25.0 | ND | 69 | 10-150 | 12 | 35 | |
| Benzene | 22.3 | 0.50 | ug/l | 25.0 | ND | 89 | 70-125 | 6 | 25 | |
| Bromobenzene | 23.1 | 0.50 | ug/l | 25.0 | ND | 92 | 75-120 | 4 | 20 | |
| Bromochloromethane | 22.4 | 0.50 | ug/l | 25.0 | ND | 90 | 75-130 | 0.2 | 20 | |
| Bromodichloromethane | 22.1 | 0.50 | ug/l | 25.0 | ND | 88 | 75-125 | 4 | 20 | |
| Bromoform | 21.5 | 1.0 | ug/l | 25.0 | ND | 86 | 65-125 | 2 | 25 | |
| Bromomethane | 18.1 | 1.0 | ug/l | 25.0 | ND | 73 | 45-150 | 5 | 35 | |
| 2-Butanone (MEK) | 18.8 | 2.5 | ug/l | 25.0 | ND | 75 | 15-150 | 6 | 30 | |
| n-Butylbenzene | 23.4 | 0.50 | ug/l | 25.0 | ND | 94 | 70-130 | 7 | 30 | |
| sec-Butylbenzene | 23.0 | 0.50 | ug/l | 25.0 | ND | 92 | 70-125 | 7 | 30 | |
| tert-Butylbenzene | 24.0 | 0.50 | ug/l | 25.0 | ND | 96 | 70-125 | 7 | 25 | |
| Carbon disulfide | 20.8 | 0.50 | ug/l | 25.0 | ND | 83 | 65-145 | 31 | 25 | RI |
| Carbon tetrachloride | 25.0 | 0.50 | ug/l | 25.0 | ND | 100 | 65-135 | 9 | 25 | |
| Chlorobenzene | 23.0 | 0.50 | ug/l | 25.0 | ND | 92 | 75-120 | 4 | 20 | |
| Chloroethane | 21.1 | 1.0 | ug/l | 25.0 | ND | 84 | 65-140 | 4 | 25 | |
| Chloroform | 21.3 | 0.50 | ug/l | 25.0 | ND | 85 | 70-130 | 4 | 20 | |
| Chloromethane | 18.0 | 1.0 | ug/l | 25.0 | ND | 72 | 55-145 | 4 | 35 | |
| 2-Chlorotoluene | 22.2 | 0.50 | ug/l | 25.0 | ND | 89 | 70-125 | 6 | 25 | |
| 4-Chlorotoluene | 23.1 | 0.50 | ug/l | 25.0 | ND | 92 | 70-125 | 5 | 25 | |
| Dibromochloromethane | 24.4 | 0.50 | ug/l | 25.0 | ND | 98 | 70-130 | 0.08 | 20 | |
| 1,2-Dibromo-3-chloropropane | 23.0 | 2.5 | ug/l | 25.0 | ND | 92 | 50-150 | 0.8 | 30 | |
| 1,2-Dibromoethane (EDB) | 23.0 | 0.50 | ug/l | 25.0 | ND | 92 | 70-125 | 3 | 20 | |
| Dibromomethane | 21.4 | 0.50 | ug/l | 25.0 | ND | 86 | 70-120 | 2 | 20 | |
| 1,2-Dichlorobenzene | 23.3 | 0.50 | ug/l | 25.0 | ND | 93 | 75-120 | 4 | 20 | |
| 1,3-Dichlorobenzene | 22.6 | 0.50 | ug/l | 25.0 | ND | 90 | 75-120 | 5 | 25 | |
| 1,4-Dichlorobenzene | 22.8 | 0.50 | ug/l | 25.0 | ND | 91 | 70-125 | 7 | 20 | |
| Dichlorodifluoromethane | 22.0 | 0.50 | ug/l | 25.0 | ND | 88 | 60-150 | 11 | 30 | |
| 1,1-Dichloroethane | 22.4 | 0.50 | ug/l | 25.0 | ND | 90 | 70-130 | 4 | 20 | |
| 1,2-Dichloroethane | 21.9 | 0.50 | ug/l | 25.0 | ND | 88 | 65-140 | 0.5 | 20 | |
| 1,1-Dichloroethene | 23.7 | 0.50 | ug/l | 25.0 | ND | 95 | 70-130 | 3 | 25 | |
| cis-1,2-Dichloroethene | 20.4 | 0.50 | ug/l | 25.0 | ND | 82 | 70-125 | 5 | 20 | |
| trans-1,2-Dichloroethene | 22.0 | 0.50 | ug/l | 25.0 | ND | 88 | 75-125 | 8 | 25 | |
| 1,2-Dichloropropane | 21.7 | 0.50 | ug/l | 25.0 | ND | 87 | 75-125 | 4 | 20 | |
| 1,3-Dichloropropane | 21.6 | 0.50 | ug/l | 25.0 | ND | 86 | 70-120 | 0.4 | 20 | |
| 2,2-Dichloropropane | 24.3 | 1.0 | ug/l | 25.0 | ND | 97 | 65-140 | 1 | 25 | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0650

Sampled: 09/12/11
Received: 09/12/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | Limit | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-------|-------------|---------------------------|-----------|--------|-----|-----------|-----------------|
| Batch: 1110627 Extracted: 09/19/11 | | | | | | | | | | |
| Matrix Spike Dup Analyzed: 09/19/2011 (1110627-MSD1) | | | | | Source: PUI0649-01 | | | | | |
| 1,1-Dichloropropene | 22.9 | 0.50 | ug/l | 25.0 | ND | 92 | 65-130 | 7 | 25 | |
| cis-1,3-Dichloropropene | 23.0 | 0.50 | ug/l | 25.0 | ND | 92 | 75-130 | 7 | 20 | |
| trans-1,3-Dichloropropene | 22.9 | 0.50 | ug/l | 25.0 | ND | 92 | 70-130 | 3 | 20 | |
| Ethylbenzene | 23.0 | 0.50 | ug/l | 25.0 | ND | 92 | 70-125 | 4 | 25 | |
| Hexachlorobutadiene | 23.9 | 1.0 | ug/l | 25.0 | ND | 96 | 40-150 | 11 | 30 | |
| 2-Hexanone | 21.0 | 2.5 | ug/l | 25.0 | ND | 84 | 20-150 | 6 | 30 | |
| Iodomethane | 27.4 | 2.5 | ug/l | 25.0 | ND | 110 | 60-150 | 3 | 30 | |
| Isopropylbenzene | 25.0 | 0.50 | ug/l | 25.0 | ND | 100 | 75-130 | 5 | 25 | |
| p-Isopropyltoluene | 23.7 | 0.50 | ug/l | 25.0 | ND | 95 | 70-130 | 7 | 30 | |
| Methylene Chloride | 20.2 | 1.0 | ug/l | 25.0 | ND | 81 | 65-130 | 1 | 20 | |
| 4-Methyl-2-pentanone (MIBK) | 22.1 | 2.5 | ug/l | 25.0 | ND | 88 | 55-135 | 5 | 25 | |
| Methyl-tert-butyl Ether (MTBE) | 21.2 | 0.50 | ug/l | 25.0 | ND | 85 | 65-140 | 5 | 25 | |
| Naphthalene | 25.6 | 2.5 | ug/l | 25.0 | ND | 103 | 40-150 | 3 | 30 | |
| n-Propylbenzene | 23.9 | 0.50 | ug/l | 25.0 | ND | 95 | 70-130 | 7 | 30 | |
| Styrene | 20.5 | 0.50 | ug/l | 25.0 | ND | 82 | 55-135 | 0.8 | 35 | |
| 1,1,1,2-Tetrachloroethane | 23.7 | 0.50 | ug/l | 25.0 | ND | 95 | 70-125 | 4 | 20 | |
| 1,1,2,2-Tetrachloroethane | 21.8 | 0.50 | ug/l | 25.0 | ND | 87 | 70-125 | 2 | 25 | |
| Tetrachloroethene | 24.4 | 0.50 | ug/l | 25.0 | ND | 97 | 65-130 | 6 | 25 | |
| Toluene | 21.8 | 0.50 | ug/l | 25.0 | 0.280 | 86 | 70-125 | 7 | 20 | |
| 1,2,3-Trichlorobenzene | 24.6 | 1.0 | ug/l | 25.0 | ND | 99 | 50-150 | 5 | 35 | |
| 1,2,4-Trichlorobenzene | 24.6 | 1.0 | ug/l | 25.0 | ND | 99 | 50-150 | 6 | 25 | |
| 1,1,1-Trichloroethane | 23.6 | 0.50 | ug/l | 25.0 | ND | 94 | 70-130 | 5 | 25 | |
| 1,1,2-Trichloroethane | 21.1 | 0.50 | ug/l | 25.0 | ND | 84 | 75-125 | 1 | 20 | |
| Trichloroethene | 22.5 | 0.50 | ug/l | 25.0 | 0.370 | 89 | 70-125 | 7 | 25 | |
| Trichlorofluoromethane | 24.2 | 0.50 | ug/l | 25.0 | ND | 97 | 65-150 | 2 | 25 | |
| 1,2,3-Trichloropropane | 22.4 | 1.0 | ug/l | 25.0 | ND | 89 | 70-130 | 3 | 25 | |
| 1,2,4-Trimethylbenzene | 21.5 | 0.50 | ug/l | 25.0 | ND | 86 | 70-125 | 5 | 30 | |
| 1,3,5-Trimethylbenzene | 23.2 | 0.50 | ug/l | 25.0 | ND | 93 | 75-130 | 6 | 25 | |
| Vinyl Acetate | 25.0 | 1.0 | ug/l | 25.0 | ND | 100 | 40-150 | 7 | 30 | |
| Vinyl chloride | 20.0 | 0.50 | ug/l | 25.0 | ND | 80 | 60-140 | 8 | 25 | |
| Xylenes, Total | 42.9 | 1.5 | ug/l | 50.0 | ND | 86 | 75-120 | 4 | 15 | |
| Freon 113 | 25.2 | 2.0 | ug/l | 25.0 | ND | 101 | 65-140 | 4 | 20 | |
| Surrogate: Dibromofluoromethane | 24.3 | | ug/l | 25.0 | | 97 | 80-130 | | | |
| Surrogate: Toluene-d8 | 24.6 | | ug/l | 25.0 | | 98 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 24.2 | | ug/l | 25.0 | | 97 | 80-125 | | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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PUI0650 <Page 16 of 19>

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030
Report Number: PUI0650

Sampled: 09/12/11
Received: 09/12/11

METHOD-BLANK/QC-DATA

1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | Limits RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------|-----------|------------|-----------|-----------------|
| Batch: 1110534 Extracted: 09/15/11 | | | | | | | | | |
| Blank Analyzed: 09/16/2011 (1110534-BLK1) | | | | | | | | | |
| 1,4-Dioxane | ND | 1.0 | ug/l | | | | | | |
| Surrogate: 1,4-Dioxane-d8 | 15.4 | | ug/l | 20.0 | | 77 | 38.6-88.3 | | |
| Surrogate: Nitrobenzene-d5 | 19.0 | | ug/l | 20.0 | | 95 | 59.9-120 | | |
| LCS Analyzed: 09/16/2011 (1110534-BS1) | | | | | | | | | |
| 1,4-Dioxane | 19.9 | 1.0 | ug/l | 20.0 | | 99 | 80-120 | | |
| Surrogate: 1,4-Dioxane-d8 | 15.1 | | ug/l | 20.0 | | 76 | 32-57 | | S10 |
| Surrogate: Nitrobenzene-d5 | 18.8 | | ug/l | 20.0 | | 94 | 38-125 | | |
| LCS Dup Analyzed: 09/16/2011 (1110534-BSD1) | | | | | | | | | |
| 1,4-Dioxane | 20.1 | 1.0 | ug/l | 20.0 | | 100 | 80-120 | 1 | 25 |
| Surrogate: 1,4-Dioxane-d8 | 15.1 | | ug/l | 20.0 | | 76 | 32-57 | | S10 |
| Surrogate: Nitrobenzene-d5 | 18.7 | | ug/l | 20.0 | | 94 | 38-125 | | |
| Matrix Spike Analyzed: 09/16/2011 (1110534-MS1) Source: PUI0764-02 | | | | | | | | | |
| 1,4-Dioxane | 42.2 | 1.0 | ug/l | 20.0 | 19.0 | 116 | 70-130 | | |
| Surrogate: 1,4-Dioxane-d8 | 12.8 | | ug/l | 20.0 | | 64 | 36-81 | | |
| Surrogate: Nitrobenzene-d5 | 19.8 | | ug/l | 20.0 | | 99 | 59-120 | | |
| Matrix Spike Dup Analyzed: 09/16/2011 (1110534-MSD1) Source: PUI0764-02 | | | | | | | | | |
| 1,4-Dioxane | 41.3 | 1.0 | ug/l | 20.0 | 19.0 | 111 | 70-130 | 2 | 25 |
| Surrogate: 1,4-Dioxane-d8 | 14.7 | | ug/l | 20.0 | | 74 | 36-81 | | |
| Surrogate: Nitrobenzene-d5 | 20.2 | | ug/l | 20.0 | | 101 | 59-120 | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0650

Sampled: 09/12/11

Received: 09/12/11

DATA QUALIFIERS AND DEFINITIONS

- L3** The associated blank spike recovery was above method acceptance limits.
- R1** The RPD/RSD exceeded the method acceptance limit.
- R6** LFB/LFBD RPD exceeded the method acceptance limit. Recovery met acceptance criteria.
- S10** Surrogate recovery was above laboratory and method acceptance limits. See case narrative.
- ND** Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
- RPD** Relative Percent Difference

TestAmerica Phoenix

Kylie Emily
Project Manager

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PUI0650 <Page 18 of 19>

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0650

Sampled: 09/12/11
Received: 09/12/11

Certification Summary

TestAmerica Phoenix

| Method | Matrix | Nelac | Arizona |
|-----------|--------|-------|---------|
| EPA 8260B | Water | X | X |
| EPA 8270C | Water | | X |

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for TestAmerica may be obtained by contacting the laboratory or visiting our website at www.testamericainc.com

TestAmerica Phoenix

Kylie Emily
Project Manager

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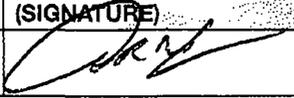
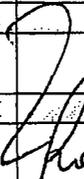
Environmental Resources Management

CHAIN OF CUSTODY RECORD

NO: 3042

7272 E. Indian School Road, Suite 100 • Scottsdale, AZ • 85251 • (480) 998-2401 • FAX (480) 998-2106

Page 1 of 1

| PROJECT # 0096498.030 | | PROJECT NAME 003 | | # OF CONTAINERS | MATRIX | | REQUESTED PARAMETERS | | | | | | | | | | | | | | |
|---|---------|--|------|-----------------|---|--------------|----------------------|----------------------------------|------|---|---|---|---|---|---|---|---|----|----|----|--|
| SAMPLER: (PRINT NAME) Adam Nagle | | (SIGNATURE)  | | | SOIL | WATER | GAS | VOC (8260B) 14-Dioxin (8270C) | | | | | | | | | | | | | |
| RECEIVING LABORATORY Test America, Phoenix AZ | | | | | | | | | | | | | | | | | | | | | |
| SAMPLE I.D. | DATE | TIME | COMP | GRAB | SAMPLING METHOD | PRESERVATIVE | ICE (Y/N) | SAMPLING VOLUME | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | |
| 003-1M-M-091211 | 9/12/11 | 1413 | | x | Pump | HCl | Y | 40mL | 3 | 2 | | | | | | | | | | | |
| EW-21-5-091211 | 9/12/11 | 1504 | | x | Pump | HCl | Y | 40mL | 3 | 2 | | | | | | | | | | | |
| RELINQUISHED BY (SIGNATURE) | | | DATE | TIME | RECEIVED BY | | | DATE | TIME | FIELD REMARKS | | | | | | | | | | | |
|  | | | 9/12 | 1707 |  | | | | | Level III  0.6°C/0.2°C | | | | | | | | | | | |
| RELINQUISHED BY (SIGNATURE) | | | DATE | TIME | RECEIVED BY | | | DATE | TIME | | | | | | | | | | | | |
| RELINQUISHED BY (SIGNATURE) | | | DATE | TIME | RECEIVED BY | | | DATE | TIME | | | | | | | | | | | | |
| REMARKS ON SAMPLE RECEIPT | | | | | ERM REMARKS | | | | | SEND REPORT TO: | | | | | | | | | | | |
| <input type="checkbox"/> BOTTLE INTACT <input type="checkbox"/> CUSTODY SEALS <input type="checkbox"/> CHILLED <input type="checkbox"/> PRESERVED <input type="checkbox"/> SEALS INTACT <input type="checkbox"/> SEE REMARKS | | | | | | | | | | Jason.Hilker@ERM.com | | | | | | | | | | | |

LABORATORY REPORT

Prepared For: Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project: 0096498.030

Sampled: 09/13/11
Received: 09/13/11
Revised: 11/10/11 14:02

NELAP #01109CA Arizona DHS#AZ0728

*The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica. The Chain(s) of Custody, 2 pages, are included and are an integral part of this report.
This entire report was reviewed and approved for release.*

CASE NARRATIVE

| LABORATORY ID | CLIENT ID | MATRIX |
|---------------|----------------------|--------|
| PUI0739-01 | OU3-10M2-M-091311 | Water |
| PUI0739-02 | OU3-10M2-M-091311-Q1 | Water |
| PUI0739-03 | OU3-10M-M-091311 | Water |
| PUI0739-04 | EWOU3-10S-R-S-091311 | Water |
| PUI0739-05 | OU3-8D-D-091311 | Water |
| PUI0739-06 | OU3-8S-S-091311 | Water |
| PUI0739-07 | GW-EB1-4-091311 | Water |
| PUI0739-08 | GW-L1-4-091311 | Water |
| PUI0739-09 | GW-Z1-1-091311 | Water |

TestAmerica Phoenix

Kylie Emily
Project Manager

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030

Report Number: PUI0739

Sampled: 09/13/11

Received: 09/13/11

SAMPLE RECEIPT: Samples were received intact, at 4°C, on ice and with chain of custody documentation.

HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the TestAmerica Sample Acceptance Policy unless otherwise noted in the report.

PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

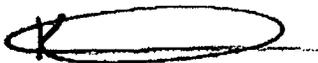
QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.
N1 = Laboratory Control Sample Duplicate recovered low and outside of client acceptance limits for Bromodichloromethane, cis-1,3-Dichloropropene and trans-1,3-Dichloropropene. Recovery was within the laboratory acceptance limits. All associated samples are non-detect for this compound and therefore should not be impacted.
S10-Surrogate recovery was above acceptance limits.

COMMENTS: No significant observations were made.

SUBCONTRACTED: No analyses were subcontracted to an outside laboratory.

ADDITIONAL INFORMATION: Revised report to reflect QAPP limits.

Reviewed By:



TestAmerica Phoenix

Kylie Emily
Project Manager

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PUI0739 <Page 2 of 34>

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030

Report Number: PUI0739

Sampled: 09/13/11

Received: 09/13/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0739-01 (OU3-10M2-M-091311 - Water) | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| Acetone | EPA 8260B | 1110653 | 10 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Benzene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Bromobenzene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Bromochloromethane | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Bromodichloromethane | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | N1 |
| Bromoform | EPA 8260B | 1110653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Bromomethane | EPA 8260B | 1110653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 2-Butanone (MEK) | EPA 8260B | 1110653 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| n-Butylbenzene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| sec-Butylbenzene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| tert-Butylbenzene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Carbon disulfide | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Carbon tetrachloride | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Chlorobenzene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Chloroethane | EPA 8260B | 1110653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Chloroform | EPA 8260B | 1110653 | 0.50 | 1.2 | 1 | 9/19/2011 | 9/19/2011 | |
| Chloromethane | EPA 8260B | 1110653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 2-Chlorotoluene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 4-Chlorotoluene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Dibromochloromethane | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dibromo-3-chloropropane | EPA 8260B | 1110653 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dibromoethane (EDB) | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Dibromomethane | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dichlorobenzene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,3-Dichlorobenzene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,4-Dichlorobenzene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Dichlorodifluoromethane | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1-Dichloroethane | EPA 8260B | 1110653 | 0.50 | 5.4 | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dichloroethane | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1-Dichloroethene | EPA 8260B | 1110653 | 0.50 | 9.4 | 1 | 9/19/2011 | 9/19/2011 | |
| cis-1,2-Dichloroethene | EPA 8260B | 1110653 | 0.50 | 6.9 | 1 | 9/19/2011 | 9/19/2011 | |
| trans-1,2-Dichloroethene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dichloropropane | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,3-Dichloropropane | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 2,2-Dichloropropane | EPA 8260B | 1110653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1-Dichloropropene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| cis-1,3-Dichloropropene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | N1 |
| trans-1,3-Dichloropropene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | N1 |
| Ethylbenzene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Hexachlorobutadiene | EPA 8260B | 1110653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |

TestAmerica Phoenix

Kylie Emily
Project Manager

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030

Report Number: PUI0739

Sampled: 09/13/11

Received: 09/13/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0739-01 (OU3-10M2-M-091311 - Water) - cont. | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| 2-Hexanone | EPA 8260B | 1110653 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Iodomethane | EPA 8260B | 1110653 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Isopropylbenzene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| p-Isopropyltoluene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Methylene Chloride | EPA 8260B | 1110653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 4-Methyl-2-pentanone (MIBK) | EPA 8260B | 1110653 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Methyl-tert-butyl Ether (MTBE) | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Naphthalene | EPA 8260B | 1110653 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| n-Propylbenzene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Styrene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1,1,2-Tetrachloroethane | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1,2,2-Tetrachloroethane | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Tetrachloroethene | EPA 8260B | 1110653 | 0.50 | 1.9 | 1 | 9/19/2011 | 9/19/2011 | |
| Toluene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2,3-Trichlorobenzene | EPA 8260B | 1110653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2,4-Trichlorobenzene | EPA 8260B | 1110653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1,1-Trichloroethane | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1,2-Trichloroethane | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Trichloroethene | EPA 8260B | 1110653 | 0.50 | 35 | 1 | 9/19/2011 | 9/19/2011 | |
| Trichlorofluoromethane | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2,3-Trichloropropane | EPA 8260B | 1110653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2,4-Trimethylbenzene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,3,5-Trimethylbenzene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Vinyl Acetate | EPA 8260B | 1110653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Vinyl chloride | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Xylenes, Total | EPA 8260B | 1110653 | 1.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Freon 113 | EPA 8260B | 1110653 | 2.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Surrogate: Dibromofluoromethane (80-130%) | | | | 92 % | | | | |
| Surrogate: Toluene-d8 (80-120%) | | | | 102 % | | | | |
| Surrogate: 4-Bromofluorobenzene (80-125%) | | | | 93 % | | | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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PUI0739 <Page 4 of 34>

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030

Report Number: PUI0739

Sampled: 09/13/11
Received: 09/13/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0739-02 (OU3-10M2-M-091311-Q1 - Water) | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| Acetone | EPA 8260B | 1110653 | 10 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Benzene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Bromobenzene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Bromochloromethane | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Bromodichloromethane | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | N1 |
| Bromoform | EPA 8260B | 1110653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Bromomethane | EPA 8260B | 1110653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 2-Butanone (MEK) | EPA 8260B | 1110653 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| n-Butylbenzene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| sec-Butylbenzene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| tert-Butylbenzene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Carbon disulfide | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Carbon tetrachloride | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Chlorobenzene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Chloroethane | EPA 8260B | 1110653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Chloroform | EPA 8260B | 1110653 | 0.50 | 1.2 | 1 | 9/19/2011 | 9/19/2011 | |
| Chloromethane | EPA 8260B | 1110653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 2-Chlorotoluene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 4-Chlorotoluene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Dibromochloromethane | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dibromo-3-chloropropane | EPA 8260B | 1110653 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dibromoethane (EDB) | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Dibromomethane | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dichlorobenzene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,3-Dichlorobenzene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,4-Dichlorobenzene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Dichlorodifluoromethane | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1-Dichloroethane | EPA 8260B | 1110653 | 0.50 | 5.2 | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dichloroethane | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1-Dichloroethene | EPA 8260B | 1110653 | 0.50 | 8.8 | 1 | 9/19/2011 | 9/19/2011 | |
| cis-1,2-Dichloroethene | EPA 8260B | 1110653 | 0.50 | 6.5 | 1 | 9/19/2011 | 9/19/2011 | |
| trans-1,2-Dichloroethene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dichloropropane | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,3-Dichloropropane | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 2,2-Dichloropropane | EPA 8260B | 1110653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1-Dichloropropene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| cis-1,3-Dichloropropene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | N1 |
| trans-1,3-Dichloropropene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | N1 |
| Ethylbenzene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Hexachlorobutadiene | EPA 8260B | 1110653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |

TestAmerica Phoenix

Kylie Emily
Project Manager

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030

Report Number: PUI0739

Sampled: 09/13/11
Received: 09/13/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0739-02 (OU3-10M2-M-091311-Q1 - Water) - cont. | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| 2-Hexanone | EPA 8260B | 11I0653 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Iodomethane | EPA 8260B | 11I0653 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Isopropylbenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| p-Isopropyltoluene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Methylene Chloride | EPA 8260B | 11I0653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 4-Methyl-2-pentanone (MIBK) | EPA 8260B | 11I0653 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Methyl-tert-butyl Ether (MTBE) | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Naphthalene | EPA 8260B | 11I0653 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| n-Propylbenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Styrene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1,1,2-Tetrachloroethane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1,2,2-Tetrachloroethane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Tetrachloroethene | EPA 8260B | 11I0653 | 0.50 | 1.8 | 1 | 9/19/2011 | 9/19/2011 | |
| Toluene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2,3-Trichlorobenzene | EPA 8260B | 11I0653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2,4-Trichlorobenzene | EPA 8260B | 11I0653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1,1-Trichloroethane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1,2-Trichloroethane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Trichloroethene | EPA 8260B | 11I0653 | 0.50 | 33 | 1 | 9/19/2011 | 9/19/2011 | |
| Trichlorofluoromethane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2,3-Trichloropropane | EPA 8260B | 11I0653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2,4-Trimethylbenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,3,5-Trimethylbenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Vinyl Acetate | EPA 8260B | 11I0653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Vinyl chloride | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Xylenes, Total | EPA 8260B | 11I0653 | 1.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Freon 113 | EPA 8260B | 11I0653 | 2.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Surrogate: Dibromofluoromethane (80-130%) | | | | 92 % | | | | |
| Surrogate: Toluene-d8 (80-120%) | | | | 101 % | | | | |
| Surrogate: 4-Bromofluorobenzene (80-125%) | | | | 90 % | | | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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PUI0739 <Page 6 of 34>

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030
Report Number: PUI0739

Sampled: 09/13/11
Received: 09/13/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0739-03 (OU3-10M-M-091311 - Water) | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| Acetone | EPA 8260B | 11I0653 | 10 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Benzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Bromobenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Bromochloromethane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Bromodichloromethane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | N1 |
| Bromoform | EPA 8260B | 11I0653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Bromomethane | EPA 8260B | 11I0653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 2-Butanone (MEK) | EPA 8260B | 11I0653 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| n-Butylbenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| sec-Butylbenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| tert-Butylbenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Carbon disulfide | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Carbon tetrachloride | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Chlorobenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Chloroethane | EPA 8260B | 11I0653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Chloroform | EPA 8260B | 11I0653 | 0.50 | 2.5 | 1 | 9/19/2011 | 9/19/2011 | |
| Chloromethane | EPA 8260B | 11I0653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 2-Chlorotoluene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 4-Chlorotoluene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Dibromochloromethane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dibromo-3-chloropropane | EPA 8260B | 11I0653 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dibromoethane (EDB) | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Dibromomethane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dichlorobenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,3-Dichlorobenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,4-Dichlorobenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Dichlorodifluoromethane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1-Dichloroethane | EPA 8260B | 11I0653 | 0.50 | 2.1 | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dichloroethane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1-Dichloroethene | EPA 8260B | 11I0653 | 0.50 | 2.8 | 1 | 9/19/2011 | 9/19/2011 | |
| cis-1,2-Dichloroethene | EPA 8260B | 11I0653 | 0.50 | 2.5 | 1 | 9/19/2011 | 9/19/2011 | |
| trans-1,2-Dichloroethene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dichloropropane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,3-Dichloropropane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 2,2-Dichloropropane | EPA 8260B | 11I0653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1-Dichloropropene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| cis-1,3-Dichloropropene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | N1 |
| trans-1,3-Dichloropropene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | N1 |
| Ethylbenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Hexachlorobutadiene | EPA 8260B | 11I0653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030

Report Number: PUI0739

Sampled: 09/13/11
Received: 09/13/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0739-03 (OU3-10M-M-091311 - Water) - cont. | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| 2-Hexanone | EPA 8260B | 11I0653 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Iodomethane | EPA 8260B | 11I0653 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Isopropylbenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| p-Isopropyltoluene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Methylene Chloride | EPA 8260B | 11I0653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 4-Methyl-2-pentanone (MIBK) | EPA 8260B | 11I0653 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Methyl-tert-butyl Ether (MTBE) | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Naphthalene | EPA 8260B | 11I0653 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| n-Propylbenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Styrene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1,1,2-Tetrachloroethane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1,2,2-Tetrachloroethane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Tetrachloroethene | EPA 8260B | 11I0653 | 0.50 | 0.58 | 1 | 9/19/2011 | 9/19/2011 | |
| Toluene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2,3-Trichlorobenzene | EPA 8260B | 11I0653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2,4-Trichlorobenzene | EPA 8260B | 11I0653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1,1-Trichloroethane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1,2-Trichloroethane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Trichloroethene | EPA 8260B | 11I0653 | 0.50 | 9.7 | 1 | 9/19/2011 | 9/19/2011 | |
| Trichlorofluoromethane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2,3-Trichloropropane | EPA 8260B | 11I0653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2,4-Trimethylbenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,3,5-Trimethylbenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Vinyl Acetate | EPA 8260B | 11I0653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Vinyl chloride | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Xylenes, Total | EPA 8260B | 11I0653 | 1.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Freon 113 | EPA 8260B | 11I0653 | 2.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Surrogate: Dibromofluoromethane (80-130%) | | | | | | | | 110 % |
| Surrogate: Toluene-d8 (80-120%) | | | | | | | | 101 % |
| Surrogate: 4-Bromofluorobenzene (80-125%) | | | | | | | | 94 % |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030

Report Number: PUI0739

Sampled: 09/13/11
Received: 09/13/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0739-04 (EWOU3-10S-R-S-091311 - Water) | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| Acetone | EPA 8260B | 11I0653 | 10 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Benzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Bromobenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Bromochloromethane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Bromodichloromethane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | N1 |
| Bromoform | EPA 8260B | 11I0653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Bromomethane | EPA 8260B | 11I0653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 2-Butanone (MEK) | EPA 8260B | 11I0653 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| n-Butylbenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| sec-Butylbenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| tert-Butylbenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Carbon disulfide | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Carbon tetrachloride | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Chlorobenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Chloroethane | EPA 8260B | 11I0653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Chloroform | EPA 8260B | 11I0653 | 0.50 | 2.2 | 1 | 9/19/2011 | 9/19/2011 | |
| Chloromethane | EPA 8260B | 11I0653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 2-Chlorotoluene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 4-Chlorotoluene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Dibromochloromethane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dibromo-3-chloropropane | EPA 8260B | 11I0653 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dibromoethane (EDB) | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Dibromomethane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dichlorobenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,3-Dichlorobenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,4-Dichlorobenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Dichlorodifluoromethane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1-Dichloroethane | EPA 8260B | 11I0653 | 0.50 | 2.1 | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dichloroethane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1-Dichloroethene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| cis-1,2-Dichloroethene | EPA 8260B | 11I0653 | 0.50 | 2.2 | 1 | 9/19/2011 | 9/19/2011 | |
| trans-1,2-Dichloroethene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dichloropropane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,3-Dichloropropane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 2,2-Dichloropropane | EPA 8260B | 11I0653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1-Dichloropropene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| cis-1,3-Dichloropropene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | N1 |
| trans-1,3-Dichloropropene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | N1 |
| Ethylbenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Hexachlorobutadiene | EPA 8260B | 11I0653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |

TestAmerica Phoenix

Kylie Emily
Project Manager

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030

Report Number: PUI0739

Sampled: 09/13/11
Received: 09/13/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0739-04 (EWOU3-10S-R-S-091311 - Water) - cont. | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| 2-Hexanone | EPA 8260B | 1110653 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Iodomethane | EPA 8260B | 1110653 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Isopropylbenzene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| p-Isopropyltoluene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Methylene Chloride | EPA 8260B | 1110653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 4-Methyl-2-pentanone (MIBK) | EPA 8260B | 1110653 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Methyl-tert-butyl Ether (MTBE) | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Naphthalene | EPA 8260B | 1110653 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| n-Propylbenzene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Styrene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1,1,2-Tetrachloroethane | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1,2,2-Tetrachloroethane | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Tetrachloroethene | EPA 8260B | 1110653 | 0.50 | 0.79 | 1 | 9/19/2011 | 9/19/2011 | |
| Toluene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2,3-Trichlorobenzene | EPA 8260B | 1110653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2,4-Trichlorobenzene | EPA 8260B | 1110653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1,1-Trichloroethane | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1,2-Trichloroethane | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Trichloroethene | EPA 8260B | 1110653 | 0.50 | 14 | 1 | 9/19/2011 | 9/19/2011 | |
| Trichlorofluoromethane | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2,3-Trichloropropane | EPA 8260B | 1110653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2,4-Trimethylbenzene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,3,5-Trimethylbenzene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Vinyl Acetate | EPA 8260B | 1110653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Vinyl chloride | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Xylenes, Total | EPA 8260B | 1110653 | 1.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Freon 113 | EPA 8260B | 1110653 | 2.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Surrogate: Dibromofluoromethane (80-130%) | | | | | | | | 94 % |
| Surrogate: Toluene-d8 (80-120%) | | | | | | | | 101 % |
| Surrogate: 4-Bromofluorobenzene (80-125%) | | | | | | | | 93 % |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030

Report Number: PUI0739

Sampled: 09/13/11
Received: 09/13/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0739-05 (OU3-8D-D-091311 - Water) | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| Acetone | EPA 8260B | 1110653 | 10 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Benzene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Bromobenzene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Bromochloromethane | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Bromodichloromethane | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | NI |
| Bromoform | EPA 8260B | 1110653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Bromomethane | EPA 8260B | 1110653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 2-Butanone (MEK) | EPA 8260B | 1110653 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| n-Butylbenzene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| sec-Butylbenzene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| tert-Butylbenzene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Carbon disulfide | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Carbon tetrachloride | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Chlorobenzene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Chloroethane | EPA 8260B | 1110653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Chloroform | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Chloromethane | EPA 8260B | 1110653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 2-Chlorotoluene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 4-Chlorotoluene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Dibromochloromethane | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dibromo-3-chloropropane | EPA 8260B | 1110653 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dibromoethane (EDB) | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Dibromomethane | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dichlorobenzene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,3-Dichlorobenzene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,4-Dichlorobenzene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Dichlorodifluoromethane | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1-Dichloroethane | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dichloroethane | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1-Dichloroethene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| cis-1,2-Dichloroethene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| trans-1,2-Dichloroethene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dichloropropane | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,3-Dichloropropane | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 2,2-Dichloropropane | EPA 8260B | 1110653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1-Dichloropropene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| cis-1,3-Dichloropropene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | NI |
| trans-1,3-Dichloropropene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | NI |
| Ethylbenzene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Hexachlorobutadiene | EPA 8260B | 1110653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030

Report Number: PUI0739

Sampled: 09/13/11
Received: 09/13/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0739-05 (OU3-8D-D-091311 - Water) - cont. | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| 2-Hexanone | EPA 8260B | 11I0653 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Iodomethane | EPA 8260B | 11I0653 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Isopropylbenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| p-Isopropyltoluene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Methylene Chloride | EPA 8260B | 11I0653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 4-Methyl-2-pentanone (MIBK) | EPA 8260B | 11I0653 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Methyl-tert-butyl Ether (MTBE) | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Naphthalene | EPA 8260B | 11I0653 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| n-Propylbenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Styrene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1,1,2-Tetrachloroethane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1,2,2-Tetrachloroethane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Tetrachloroethene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Toluene | EPA 8260B | 11I0653 | 0.50 | 0.80 | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2,3-Trichlorobenzene | EPA 8260B | 11I0653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2,4-Trichlorobenzene | EPA 8260B | 11I0653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1,1-Trichloroethane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1,2-Trichloroethane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Trichloroethene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Trichlorofluoromethane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2,3-Trichloropropane | EPA 8260B | 11I0653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2,4-Trimethylbenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,3,5-Trimethylbenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Vinyl Acetate | EPA 8260B | 11I0653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Vinyl chloride | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Xylenes, Total | EPA 8260B | 11I0653 | 1.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Freon 113 | EPA 8260B | 11I0653 | 2.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |

Surrogate: Dibromofluoromethane (80-130%)

101 %

Surrogate: Toluene-d8 (80-120%)

101 %

Surrogate: 4-Bromofluorobenzene (80-125%)

91 %

TestAmerica Phoenix

Kylie Emily
Project Manager

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PUI0739 <Page 12 of 34>

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030

Report Number: PUI0739

Sampled: 09/13/11
Received: 09/13/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0739-06 (OU3-8S-S-091311 - Water) | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| Acetone | EPA 8260B | 11I0653 | 10 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Benzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Bromobenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Bromochloromethane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Bromodichloromethane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | NI |
| Bromoform | EPA 8260B | 11I0653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Bromomethane | EPA 8260B | 11I0653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 2-Butanone (MEK) | EPA 8260B | 11I0653 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| n-Butylbenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| sec-Butylbenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| tert-Butylbenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Carbon disulfide | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Carbon tetrachloride | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Chlorobenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Chloroethane | EPA 8260B | 11I0653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Chloroform | EPA 8260B | 11I0653 | 0.50 | 1.4 | 1 | 9/19/2011 | 9/19/2011 | |
| Chloromethane | EPA 8260B | 11I0653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 2-Chlorotoluene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 4-Chlorotoluene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Dibromochloromethane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dibromo-3-chloropropane | EPA 8260B | 11I0653 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dibromoethane (EDB) | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Dibromomethane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dichlorobenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,3-Dichlorobenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,4-Dichlorobenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Dichlorodifluoromethane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1-Dichloroethane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dichloroethane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1-Dichloroethene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| cis-1,2-Dichloroethene | EPA 8260B | 11I0653 | 0.50 | 0.86 | 1 | 9/19/2011 | 9/19/2011 | |
| trans-1,2-Dichloroethene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dichloropropane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,3-Dichloropropane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 2,2-Dichloropropane | EPA 8260B | 11I0653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1-Dichloropropene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| cis-1,3-Dichloropropene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | NI |
| trans-1,3-Dichloropropene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | NI |
| Ethylbenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Hexachlorobutadiene | EPA 8260B | 11I0653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |

TestAmerica Phoenix

Kylie Emily
Project Manager

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030

Report Number: PUI0739

Sampled: 09/13/11
Received: 09/13/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0739-06 (OU3-8S-S-091311 - Water) - cont. | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| 2-Hexanone | EPA 8260B | 1110653 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Iodomethane | EPA 8260B | 1110653 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Isopropylbenzene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| p-Isopropyltoluene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Methylene Chloride | EPA 8260B | 1110653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 4-Methyl-2-pentanone (MIBK) | EPA 8260B | 1110653 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Methyl-tert-butyl Ether (MTBE) | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Naphthalene | EPA 8260B | 1110653 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| n-Propylbenzene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Styrene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1,1,2-Tetrachloroethane | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1,2,2-Tetrachloroethane | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Tetrachloroethene | EPA 8260B | 1110653 | 0.50 | 0.82 | 1 | 9/19/2011 | 9/19/2011 | |
| Toluene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2,3-Trichlorobenzene | EPA 8260B | 1110653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2,4-Trichlorobenzene | EPA 8260B | 1110653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1,1-Trichloroethane | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1,2-Trichloroethane | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Trichloroethene | EPA 8260B | 1110653 | 0.50 | 6.1 | 1 | 9/19/2011 | 9/19/2011 | |
| Trichlorofluoromethane | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2,3-Trichloropropane | EPA 8260B | 1110653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2,4-Trimethylbenzene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,3,5-Trimethylbenzene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Vinyl Acetate | EPA 8260B | 1110653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Vinyl chloride | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Xylenes, Total | EPA 8260B | 1110653 | 1.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Freon 113 | EPA 8260B | 1110653 | 2.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Surrogate: Dibromofluoromethane (80-130%) | | | | | | | | 99 % |
| Surrogate: Toluene-d8 (80-120%) | | | | | | | | 98 % |
| Surrogate: 4-Bromofluorobenzene (80-125%) | | | | | | | | 94 % |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030

Report Number: PUI0739

Sampled: 09/13/11
Received: 09/13/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0739-07 (GW-EB1-4-091311 - Water) | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| Acetone | EPA 8260B | 11I0653 | 10 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Benzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Bromobenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Bromochloromethane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Bromodichloromethane | EPA 8260B | 11I0653 | 0.50 | 3.6 | 1 | 9/19/2011 | 9/19/2011 | N1 |
| Bromoform | EPA 8260B | 11I0653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Bromomethane | EPA 8260B | 11I0653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 2-Butanone (MEK) | EPA 8260B | 11I0653 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| n-Butylbenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| sec-Butylbenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| tert-Butylbenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Carbon disulfide | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Carbon tetrachloride | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Chlorobenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Chloroethane | EPA 8260B | 11I0653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Chloroform | EPA 8260B | 11I0653 | 0.50 | 7.3 | 1 | 9/19/2011 | 9/19/2011 | |
| Chloromethane | EPA 8260B | 11I0653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 2-Chlorotoluene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 4-Chlorotoluene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Dibromochloromethane | EPA 8260B | 11I0653 | 0.50 | 1.9 | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dibromo-3-chloropropane | EPA 8260B | 11I0653 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dibromoethane (EDB) | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Dibromomethane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dichlorobenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,3-Dichlorobenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,4-Dichlorobenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Dichlorodifluoromethane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1-Dichloroethane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dichloroethane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1-Dichloroethene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| cis-1,2-Dichloroethene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| trans-1,2-Dichloroethene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dichloropropane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,3-Dichloropropane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 2,2-Dichloropropane | EPA 8260B | 11I0653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1-Dichloropropene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| cis-1,3-Dichloropropene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | N1 |
| trans-1,3-Dichloropropene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | N1 |
| Ethylbenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Hexachlorobutadiene | EPA 8260B | 11I0653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |

TestAmerica Phoenix

Kylie Emily
Project Manager

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030

Report Number: PUI0739

Sampled: 09/13/11
Received: 09/13/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0739-07 (GW-EB1-4-091311 - Water) - cont. | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| 2-Hexanone | EPA 8260B | 11I0653 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Iodomethane | EPA 8260B | 11I0653 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Isopropylbenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| p-Isopropyltoluene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Methylene Chloride | EPA 8260B | 11I0653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 4-Methyl-2-pentanone (MIBK) | EPA 8260B | 11I0653 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Methyl-tert-butyl Ether (MTBE) | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Naphthalene | EPA 8260B | 11I0653 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| n-Propylbenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Styrene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1,1,2-Tetrachloroethane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1,2,2-Tetrachloroethane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Tetrachloroethene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Toluene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2,3-Trichlorobenzene | EPA 8260B | 11I0653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2,4-Trichlorobenzene | EPA 8260B | 11I0653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1,1-Trichloroethane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1,2-Trichloroethane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Trichloroethene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Trichlorofluoromethane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2,3-Trichloropropane | EPA 8260B | 11I0653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2,4-Trimethylbenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,3,5-Trimethylbenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Vinyl Acetate | EPA 8260B | 11I0653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Vinyl chloride | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Xylenes, Total | EPA 8260B | 11I0653 | 1.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Freon 113 | EPA 8260B | 11I0653 | 2.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |

Surrogate: Dibromofluoromethane (80-130%)

99 %

Surrogate: Toluene-d8 (80-120%)

97 %

Surrogate: 4-Bromofluorobenzene (80-125%)

90 %

TestAmerica Phoenix

Kylie Emily
Project Manager

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PUI0739 <Page 16 of 34>

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030

Report Number: PUI0739

Sampled: 09/13/11
Received: 09/13/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0739-08 (GW-L1-4-091311 - Water) | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| Acetone | EPA 8260B | 11I0653 | 10 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Benzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Bromobenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Bromochloromethane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Bromodichloromethane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | N1 |
| Bromoform | EPA 8260B | 11I0653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Bromomethane | EPA 8260B | 11I0653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 2-Butanone (MEK) | EPA 8260B | 11I0653 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| n-Butylbenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| sec-Butylbenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| tert-Butylbenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Carbon disulfide | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Carbon tetrachloride | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Chlorobenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Chloroethane | EPA 8260B | 11I0653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Chloroform | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Chloromethane | EPA 8260B | 11I0653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 2-Chlorotoluene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 4-Chlorotoluene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Dibromochloromethane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dibromo-3-chloropropane | EPA 8260B | 11I0653 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dibromoethane (EDB) | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Dibromomethane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dichlorobenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,3-Dichlorobenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,4-Dichlorobenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Dichlorodifluoromethane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1-Dichloroethane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dichloroethane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1-Dichloroethene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| cis-1,2-Dichloroethene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| trans-1,2-Dichloroethene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dichloropropane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,3-Dichloropropane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 2,2-Dichloropropane | EPA 8260B | 11I0653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1-Dichloropropene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| cis-1,3-Dichloropropene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | N1 |
| trans-1,3-Dichloropropene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | N1 |
| Ethylbenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Hexachlorobutadiene | EPA 8260B | 11I0653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |

TestAmerica Phoenix

Kylie Emily
Project Manager

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030

Report Number: PUI0739

Sampled: 09/13/11
Received: 09/13/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0739-08 (GW-L1-4-091311 - Water) - cont. | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| 2-Hexanone | EPA 8260B | 11I0653 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Iodomethane | EPA 8260B | 11I0653 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Isopropylbenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| p-Isopropyltoluene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Methylene Chloride | EPA 8260B | 11I0653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 4-Methyl-2-pentanone (MIBK) | EPA 8260B | 11I0653 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Methyl-tert-butyl Ether (MTBE) | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Naphthalene | EPA 8260B | 11I0653 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| n-Propylbenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Styrene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1,1,2-Tetrachloroethane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1,2,2-Tetrachloroethane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Tetrachloroethene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Toluene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2,3-Trichlorobenzene | EPA 8260B | 11I0653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2,4-Trichlorobenzene | EPA 8260B | 11I0653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1,1-Trichloroethane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1,2-Trichloroethane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Trichloroethene | EPA 8260B | 11I0653 | 0.50 | 0.55 | 1 | 9/19/2011 | 9/19/2011 | |
| Trichlorofluoromethane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2,3-Trichloropropane | EPA 8260B | 11I0653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2,4-Trimethylbenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,3,5-Trimethylbenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Vinyl Acetate | EPA 8260B | 11I0653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Vinyl chloride | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Xylenes, Total | EPA 8260B | 11I0653 | 1.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Freon 113 | EPA 8260B | 11I0653 | 2.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |

Surrogate: Dibromofluoromethane (80-130%)

88 %

Surrogate: Toluene-d8 (80-120%)

96 %

Surrogate: 4-Bromofluorobenzene (80-125%)

91 %

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030

Report Number: PUI0739

Sampled: 09/13/11
Received: 09/13/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0739-09 (GW-Z1-1-091311 - Water) | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| Acetone | EPA 8260B | 1110653 | 10 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Benzene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Bromobenzene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Bromochloromethane | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Bromodichloromethane | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | N1 |
| Bromoform | EPA 8260B | 1110653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Bromomethane | EPA 8260B | 1110653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 2-Butanone (MEK) | EPA 8260B | 1110653 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| n-Butylbenzene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| sec-Butylbenzene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| tert-Butylbenzene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Carbon disulfide | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Carbon tetrachloride | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Chlorobenzene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Chloroethane | EPA 8260B | 1110653 | 1.0 | 4.9 | 1 | 9/19/2011 | 9/19/2011 | |
| Chloroform | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Chloromethane | EPA 8260B | 1110653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 2-Chlorotoluene | EPA 8260B | 1110653 | 0.50 | 4.3 | 1 | 9/19/2011 | 9/19/2011 | |
| 4-Chlorotoluene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Dibromochloromethane | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dibromo-3-chloropropane | EPA 8260B | 1110653 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dibromoethane (EDB) | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Dibromomethane | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dichlorobenzene | EPA 8260B | 1110653 | 0.50 | 9.8 | 1 | 9/19/2011 | 9/19/2011 | |
| 1,3-Dichlorobenzene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,4-Dichlorobenzene | EPA 8260B | 1110653 | 0.50 | 3.8 | 1 | 9/19/2011 | 9/19/2011 | |
| Dichlorodifluoromethane | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1-Dichloroethane | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dichloroethane | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1-Dichloroethene | EPA 8260B | 1110653 | 0.50 | 2.9 | 1 | 9/19/2011 | 9/19/2011 | |
| cis-1,2-Dichloroethene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| trans-1,2-Dichloroethene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dichloropropane | EPA 8260B | 1110653 | 0.50 | 11 | 1 | 9/19/2011 | 9/19/2011 | |
| 1,3-Dichloropropane | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 2,2-Dichloropropane | EPA 8260B | 1110653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1-Dichloropropene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| cis-1,3-Dichloropropene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | N1 |
| trans-1,3-Dichloropropene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | N1 |
| Ethylbenzene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Hexachlorobutadiene | EPA 8260B | 1110653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |

TestAmerica Phoenix

Kylie Emily
Project Manager

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030

Report Number: PUI0739

Sampled: 09/13/11

Received: 09/13/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0739-09 (GW-Z1-1-091311 - Water) - cont. | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| 2-Hexanone | EPA 8260B | 1110653 | 2.5 | 12 | 1 | 9/19/2011 | 9/19/2011 | |
| Iodomethane | EPA 8260B | 1110653 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Isopropylbenzene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| p-Isopropyltoluene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Methylene Chloride | EPA 8260B | 1110653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 4-Methyl-2-pentanone (MIBK) | EPA 8260B | 1110653 | 2.5 | 9.0 | 1 | 9/19/2011 | 9/19/2011 | |
| Methyl-tert-butyl Ether (MTBE) | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Naphthalene | EPA 8260B | 1110653 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| n-Propylbenzene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Styrene | EPA 8260B | 1110653 | 0.50 | 4.6 | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1,1,2-Tetrachloroethane | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1,2,2-Tetrachloroethane | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Tetrachloroethene | EPA 8260B | 1110653 | 0.50 | 13 | 1 | 9/19/2011 | 9/19/2011 | |
| Toluene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2,3-Trichlorobenzene | EPA 8260B | 1110653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2,4-Trichlorobenzene | EPA 8260B | 1110653 | 1.0 | 6.7 | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1,1-Trichloroethane | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1,2-Trichloroethane | EPA 8260B | 1110653 | 0.50 | 1.8 | 1 | 9/19/2011 | 9/19/2011 | |
| Trichloroethene | EPA 8260B | 1110653 | 0.50 | 7.9 | 1 | 9/19/2011 | 9/19/2011 | |
| Trichlorofluoromethane | EPA 8260B | 1110653 | 0.50 | 6.5 | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2,3-Trichloropropane | EPA 8260B | 1110653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2,4-Trimethylbenzene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,3,5-Trimethylbenzene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Vinyl Acetate | EPA 8260B | 1110653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Vinyl chloride | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Xylenes, Total | EPA 8260B | 1110653 | 1.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Freon 113 | EPA 8260B | 1110653 | 2.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |

Surrogate: Dibromofluoromethane (80-130%)

96 %

Surrogate: Toluene-d8 (80-120%)

101 %

Surrogate: 4-Bromofluorobenzene (80-125%)

92 %

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030

Report Number: PUI0739

Sampled: 09/13/11
Received: 09/13/11

1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers | |
|---|-----------|---------|-----------------|--|-----------------|----------------|---------------|-----------------|-------|
| Sample ID: PUI0739-01 (OU3-10M2-M-091311 - Water) | | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | | |
| 1,4-Dioxane | EPA 8270C | 1110590 | 1.0 | 3.1 | 1 | 9/16/2011 | 9/18/2011 | | |
| | | | | Surrogate: 1,4-Dioxane-d8 (38.6-88.3%) | | | | | 79 % |
| | | | | Surrogate: Nitrobenzene-d5 (59.9-120%) | | | | | 102 % |
| Sample ID: PUI0739-02 (OU3-10M2-M-091311-Q1 - Water) | | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | | |
| 1,4-Dioxane | EPA 8270C | 1110590 | 1.0 | 3.0 | 1 | 9/16/2011 | 9/18/2011 | | |
| | | | | Surrogate: 1,4-Dioxane-d8 (38.6-88.3%) | | | | | 78 % |
| | | | | Surrogate: Nitrobenzene-d5 (59.9-120%) | | | | | 100 % |
| Sample ID: PUI0739-03 (OU3-10M-M-091311 - Water) | | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | | |
| 1,4-Dioxane | EPA 8270C | 1110590 | 1.0 | 1.4 | 1 | 9/16/2011 | 9/18/2011 | | |
| | | | | Surrogate: 1,4-Dioxane-d8 (38.6-88.3%) | | | | | 73 % |
| | | | | Surrogate: Nitrobenzene-d5 (59.9-120%) | | | | | 101 % |
| Sample ID: PUI0739-04 (EWOU3-10S-R-S-091311 - Water) | | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | | |
| 1,4-Dioxane | EPA 8270C | 1110590 | 1.0 | 1.6 | 1 | 9/16/2011 | 9/18/2011 | | |
| | | | | Surrogate: 1,4-Dioxane-d8 (38.6-88.3%) | | | | | 44 % |
| | | | | Surrogate: Nitrobenzene-d5 (59.9-120%) | | | | | 78 % |
| Sample ID: PUI0739-05 (OU3-8D-D-091311 - Water) | | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | | |
| 1,4-Dioxane | EPA 8270C | 1110590 | 1.0 | ND | 1 | 9/16/2011 | 9/18/2011 | | |
| | | | | Surrogate: 1,4-Dioxane-d8 (38.6-88.3%) | | | | | 77 % |
| | | | | Surrogate: Nitrobenzene-d5 (59.9-120%) | | | | | 103 % |
| Sample ID: PUI0739-06 (OU3-8S-S-091311 - Water) | | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | | |
| 1,4-Dioxane | EPA 8270C | 1110590 | 1.2 | ND | 1.18 | 9/16/2011 | 9/18/2011 | | |
| | | | | Surrogate: 1,4-Dioxane-d8 (38.6-88.3%) | | | | | 75 % |
| | | | | Surrogate: Nitrobenzene-d5 (59.9-120%) | | | | | 100 % |
| Sample ID: PUI0739-07 (GW-EB1-4-091311 - Water) | | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | | |
| 1,4-Dioxane | EPA 8270C | 1110590 | 1.0 | ND | 1 | 9/16/2011 | 9/18/2011 | | |
| | | | | Surrogate: 1,4-Dioxane-d8 (38.6-88.3%) | | | | | 74 % |
| | | | | Surrogate: Nitrobenzene-d5 (59.9-120%) | | | | | 103 % |

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Project Manager

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PUI0739 <Page 21 of 34>

Environmental Resources Management Inc.-West
 7272 E. Indian School Rd., Ste. 100
 Scottsdale, AZ 85251
 Attention: Jason Hilker

Project ID: 0096498.030

Report Number: PUI0739

Sampled: 09/13/11
 Received: 09/13/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | Limit | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------|-----------|-------|-----|-----------|-----------------|
| Batch: 1110653 Extracted: 09/19/11 | | | | | | | | | | |
| Blank Analyzed: 09/19/2011 (1110653-BLK1) | | | | | | | | | | |
| Acetone | ND | 10 | ug/l | | | | | | | |
| Benzene | ND | 0.50 | ug/l | | | | | | | |
| Bromobenzene | ND | 0.50 | ug/l | | | | | | | |
| Bromochloromethane | ND | 0.50 | ug/l | | | | | | | |
| Bromodichloromethane | ND | 0.50 | ug/l | | | | | | | |
| Bromoform | ND | 1.0 | ug/l | | | | | | | |
| Bromomethane | ND | 1.0 | ug/l | | | | | | | |
| 2-Butanone (MEK) | ND | 2.5 | ug/l | | | | | | | |
| n-Butylbenzene | ND | 0.50 | ug/l | | | | | | | |
| sec-Butylbenzene | ND | 0.50 | ug/l | | | | | | | |
| tert-Butylbenzene | ND | 0.50 | ug/l | | | | | | | |
| Carbon disulfide | ND | 0.50 | ug/l | | | | | | | |
| Carbon tetrachloride | ND | 0.50 | ug/l | | | | | | | |
| Chlorobenzene | ND | 0.50 | ug/l | | | | | | | |
| Chloroethane | ND | 1.0 | ug/l | | | | | | | |
| Chloroform | ND | 0.50 | ug/l | | | | | | | |
| Chloromethane | ND | 1.0 | ug/l | | | | | | | |
| 2-Chlorotoluene | ND | 0.50 | ug/l | | | | | | | |
| 4-Chlorotoluene | ND | 0.50 | ug/l | | | | | | | |
| Dibromochloromethane | ND | 0.50 | ug/l | | | | | | | |
| 1,2-Dibromo-3-chloropropane | ND | 2.5 | ug/l | | | | | | | |
| 1,2-Dibromoethane (EDB) | ND | 0.50 | ug/l | | | | | | | |
| Dibromomethane | ND | 0.50 | ug/l | | | | | | | |
| 1,2-Dichlorobenzene | ND | 0.50 | ug/l | | | | | | | |
| 1,3-Dichlorobenzene | ND | 0.50 | ug/l | | | | | | | |
| 1,4-Dichlorobenzene | ND | 0.50 | ug/l | | | | | | | |
| Dichlorodifluoromethane | ND | 0.50 | ug/l | | | | | | | |
| 1,1-Dichloroethane | ND | 0.50 | ug/l | | | | | | | |
| 1,2-Dichloroethane | ND | 0.50 | ug/l | | | | | | | |
| 1,1-Dichloroethene | ND | 0.50 | ug/l | | | | | | | |
| cis-1,2-Dichloroethene | ND | 0.50 | ug/l | | | | | | | |
| trans-1,2-Dichloroethene | ND | 0.50 | ug/l | | | | | | | |
| 1,2-Dichloropropane | ND | 0.50 | ug/l | | | | | | | |
| 1,3-Dichloropropane | ND | 0.50 | ug/l | | | | | | | |
| 2,2-Dichloropropane | ND | 1.0 | ug/l | | | | | | | |

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030

Report Number: PUI0739

Sampled: 09/13/11

Received: 09/13/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | Limit | RPD RPD | Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------|-----------|-------|---------|-------|-----------------|
| Batch: 1110653 Extracted: 09/19/11 | | | | | | | | | | |
| Blank Analyzed: 09/19/2011 (1110653-BLK1) | | | | | | | | | | |
| 1,1-Dichloropropene | ND | 0.50 | ug/l | | | | | | | |
| cis-1,3-Dichloropropene | ND | 0.50 | ug/l | | | | | | | |
| trans-1,3-Dichloropropene | ND | 0.50 | ug/l | | | | | | | |
| Ethylbenzene | ND | 0.50 | ug/l | | | | | | | |
| Hexachlorobutadiene | ND | 1.0 | ug/l | | | | | | | |
| 2-Hexanone | ND | 2.5 | ug/l | | | | | | | |
| Iodomethane | ND | 2.5 | ug/l | | | | | | | |
| Isopropylbenzene | ND | 0.50 | ug/l | | | | | | | |
| p-Isopropyltoluene | ND | 0.50 | ug/l | | | | | | | |
| Methylene Chloride | ND | 1.0 | ug/l | | | | | | | |
| 4-Methyl-2-pentanone (MIBK) | ND | 2.5 | ug/l | | | | | | | |
| Methyl-tert-butyl Ether (MTBE) | ND | 0.50 | ug/l | | | | | | | |
| Naphthalene | ND | 2.5 | ug/l | | | | | | | |
| n-Propylbenzene | ND | 0.50 | ug/l | | | | | | | |
| Styrene | ND | 0.50 | ug/l | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 0.50 | ug/l | | | | | | | |
| 1,1,2,2-Tetrachloroethane | ND | 0.50 | ug/l | | | | | | | |
| Tetrachloroethene | ND | 0.50 | ug/l | | | | | | | |
| Toluene | ND | 0.50 | ug/l | | | | | | | |
| 1,2,3-Trichlorobenzene | ND | 1.0 | ug/l | | | | | | | |
| 1,2,4-Trichlorobenzene | ND | 1.0 | ug/l | | | | | | | |
| 1,1,1-Trichloroethane | ND | 0.50 | ug/l | | | | | | | |
| 1,1,2-Trichloroethane | ND | 0.50 | ug/l | | | | | | | |
| Trichloroethene | ND | 0.50 | ug/l | | | | | | | |
| Trichlorofluoromethane | ND | 0.50 | ug/l | | | | | | | |
| 1,2,3-Trichloropropane | ND | 1.0 | ug/l | | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 0.50 | ug/l | | | | | | | |
| 1,3,5-Trimethylbenzene | ND | 0.50 | ug/l | | | | | | | |
| Vinyl Acetate | ND | 1.0 | ug/l | | | | | | | |
| Vinyl chloride | ND | 0.50 | ug/l | | | | | | | |
| Xylenes, Total | ND | 1.5 | ug/l | | | | | | | |
| Freon 113 | ND | 2.0 | ug/l | | | | | | | |
| Surrogate: Dibromofluoromethane | 23.8 | | ug/l | 25.0 | | 95 | | 80-130 | | |
| Surrogate: Toluene-d8 | 24.9 | | ug/l | 25.0 | | 100 | | 80-120 | | |
| Surrogate: 4-Bromofluorobenzene | 22.8 | | ug/l | 25.0 | | 91 | | 80-125 | | |

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030

Report Number: PUI0739

Sampled: 09/13/11
Received: 09/13/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-------|-------------|---------------|-----------|-------------|-----|-----------|-----------------|
| Batch: 1110653 Extracted: 09/19/11 | | | | | | | | | | |
| LCS Analyzed: 09/19/2011 (1110653-BS1) | | | | | | | | | | |
| Acetone | 20.5 | 10 | ug/l | 25.0 | | 82 | 10-150 | | | |
| Benzene | 24.8 | 0.50 | ug/l | 25.0 | | 99 | 80-120 | | | |
| Bromobenzene | 25.3 | 0.50 | ug/l | 25.0 | | 101 | 80-120 | | | |
| Bromochloromethane | 23.2 | 0.50 | ug/l | 25.0 | | 93 | 80-125 | | | |
| Bromodichloromethane | 21.0 | 0.50 | ug/l | 25.0 | | 84 | 80-120 | | | |
| Bromoform | 23.4 | 1.0 | ug/l | 25.0 | | 94 | 75-130 | | | |
| Bromomethane | 23.6 | 1.0 | ug/l | 25.0 | | 95 | 55-150 | | | |
| 2-Butanone (MEK) | 18.8 | 2.5 | ug/l | 25.0 | | 75 | 40-150 | | | |
| n-Butylbenzene | 23.9 | 0.50 | ug/l | 25.0 | | 96 | 80-130 | | | |
| sec-Butylbenzene | 25.3 | 0.50 | ug/l | 25.0 | | 101 | 80-125 | | | |
| tert-Butylbenzene | 24.8 | 0.50 | ug/l | 25.0 | | 99 | 80-120 | | | |
| Carbon disulfide | 23.3 | 0.50 | ug/l | 25.0 | | 93 | 70-140 | | | |
| Carbon tetrachloride | 24.9 | 0.50 | ug/l | 25.0 | | 100 | 75-130 | | | |
| Chlorobenzene | 25.7 | 0.50 | ug/l | 25.0 | | 103 | 80-120 | | | |
| Chloroethane | 22.0 | 1.0 | ug/l | 25.0 | | 88 | 70-130 | | | |
| Chloroform | 22.2 | 0.50 | ug/l | 25.0 | | 89 | 75-120 | | | |
| Chloromethane | 19.4 | 1.0 | ug/l | 25.0 | | 77 | 60-140 | | | |
| 2-Chlorotoluene | 23.7 | 0.50 | ug/l | 25.0 | | 95 | 80-120 | | | |
| 4-Chlorotoluene | 23.4 | 0.50 | ug/l | 25.0 | | 94 | 80-120 | | | |
| Dibromochloromethane | 22.5 | 0.50 | ug/l | 25.0 | | 90 | 80-120 | | | |
| 1,2-Dibromo-3-chloropropane | 21.8 | 2.5 | ug/l | 25.0 | | 87 | 50-150 | | | |
| 1,2-Dibromoethane (EDB) | 23.0 | 0.50 | ug/l | 25.0 | | 92 | 80-120 | | | |
| Dibromomethane | 23.8 | 0.50 | ug/l | 25.0 | | 95 | 75-120 | | | |
| 1,2-Dichlorobenzene | 25.1 | 0.50 | ug/l | 25.0 | | 100 | 80-120 | | | |
| 1,3-Dichlorobenzene | 26.0 | 0.50 | ug/l | 25.0 | | 104 | 80-120 | | | |
| 1,4-Dichlorobenzene | 25.5 | 0.50 | ug/l | 25.0 | | 102 | 80-120 | | | |
| Dichlorodifluoromethane | 19.3 | 0.50 | ug/l | 25.0 | | 77 | 60-150 | | | |
| 1,1-Dichloroethane | 22.4 | 0.50 | ug/l | 25.0 | | 89 | 70-125 | | | |
| 1,2-Dichloroethane | 20.6 | 0.50 | ug/l | 25.0 | | 83 | 75-130 | | | |
| 1,1-Dichloroethene | 23.1 | 0.50 | ug/l | 25.0 | | 92 | 75-125 | | | |
| cis-1,2-Dichloroethene | 21.8 | 0.50 | ug/l | 25.0 | | 87 | 80-120 | | | |
| trans-1,2-Dichloroethene | 22.4 | 0.50 | ug/l | 25.0 | | 90 | 80-120 | | | |
| 1,2-Dichloropropane | 22.6 | 0.50 | ug/l | 25.0 | | 91 | 80-120 | | | |
| 1,3-Dichloropropane | 22.2 | 0.50 | ug/l | 25.0 | | 89 | 80-120 | | | |
| 2,2-Dichloropropane | 21.0 | 1.0 | ug/l | 25.0 | | 84 | 75-130 | | | |

TestAmerica Phoenix

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030
Report Number: PUI0739

Sampled: 09/13/11
Received: 09/13/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-------|-------------|---------------|-----------|-------------|---------|-----------|-----------------|
| Batch: 11I0653 Extracted: 09/19/11 | | | | | | | | | | |
| LCS Analyzed: 09/19/2011 (11I0653-BS1) | | | | | | | | | | |
| 1,1-Dichloropropene | 22.6 | 0.50 | ug/l | 25.0 | | 90 | 75-120 | | | |
| cis-1,3-Dichloropropene | 21.9 | 0.50 | ug/l | 25.0 | | 88 | 80-120 | | | |
| trans-1,3-Dichloropropene | 20.5 | 0.50 | ug/l | 25.0 | | 82 | 80-125 | | | |
| Ethylbenzene | 24.8 | 0.50 | ug/l | 25.0 | | 99 | 80-120 | | | |
| Hexachlorobutadiene | 25.1 | 1.0 | ug/l | 25.0 | | 100 | 40-150 | | | |
| 2-Hexanone | 18.7 | 2.5 | ug/l | 25.0 | | 75 | 20-150 | | | |
| Iodomethane | 30.7 | 2.5 | ug/l | 25.0 | | 123 | 80-130 | | | |
| Isopropylbenzene | 26.4 | 0.50 | ug/l | 25.0 | | 105 | 80-130 | | | |
| p-Isopropyltoluene | 24.8 | 0.50 | ug/l | 25.0 | | 99 | 80-130 | | | |
| Methylene Chloride | 21.2 | 1.0 | ug/l | 25.0 | | 85 | 70-120 | | | |
| 4-Methyl-2-pentanone (MIBK) | 18.0 | 2.5 | ug/l | 25.0 | | 72 | 60-135 | | | |
| Methyl-tert-butyl Ether (MTBE) | 19.0 | 0.50 | ug/l | 25.0 | | 76 | 70-130 | | | |
| Naphthalene | 21.9 | 2.5 | ug/l | 25.0 | | 88 | 40-150 | | | |
| n-Propylbenzene | 25.0 | 0.50 | ug/l | 25.0 | | 100 | 75-130 | | | |
| Styrene | 22.4 | 0.50 | ug/l | 25.0 | | 90 | 80-120 | | | |
| 1,1,1,2-Tetrachloroethane | 24.7 | 0.50 | ug/l | 25.0 | | 99 | 75-125 | | | |
| 1,1,2,2-Tetrachloroethane | 22.4 | 0.50 | ug/l | 25.0 | | 90 | 80-120 | | | |
| Tetrachloroethene | 27.2 | 0.50 | ug/l | 25.0 | | 109 | 70-130 | | | |
| Toluene | 24.4 | 0.50 | ug/l | 25.0 | | 97 | 80-120 | | | |
| 1,2,3-Trichlorobenzene | 24.5 | 1.0 | ug/l | 25.0 | | 98 | 55-150 | | | |
| 1,2,4-Trichlorobenzene | 24.8 | 1.0 | ug/l | 25.0 | | 99 | 50-150 | | | |
| 1,1,1-Trichloroethane | 23.6 | 0.50 | ug/l | 25.0 | | 95 | 75-125 | | | |
| 1,1,2-Trichloroethane | 23.0 | 0.50 | ug/l | 25.0 | | 92 | 80-120 | | | |
| Trichloroethene | 24.9 | 0.50 | ug/l | 25.0 | | 99 | 80-120 | | | |
| Trichlorofluoromethane | 22.0 | 0.50 | ug/l | 25.0 | | 88 | 70-150 | | | |
| 1,2,3-Trichloropropane | 21.8 | 1.0 | ug/l | 25.0 | | 87 | 70-130 | | | |
| 1,2,4-Trimethylbenzene | 24.6 | 0.50 | ug/l | 25.0 | | 98 | 80-120 | | | |
| 1,3,5-Trimethylbenzene | 25.0 | 0.50 | ug/l | 25.0 | | 100 | 80-130 | | | |
| Vinyl Acetate | 19.7 | 1.0 | ug/l | 25.0 | | 79 | 40-150 | | | |
| Vinyl chloride | 22.6 | 0.50 | ug/l | 25.0 | | 91 | 70-130 | | | |
| Xylenes, Total | 49.8 | 1.5 | ug/l | 50.0 | | 100 | 60-140 | | | |
| Freon 113 | 23.3 | 2.0 | ug/l | 25.0 | | 93 | 60-140 | | | |
| Surrogate: Dibromofluoromethane | 23.5 | | ug/l | 25.0 | | 94 | 80-130 | | | |
| Surrogate: Toluene-d8 | 24.6 | | ug/l | 25.0 | | 98 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 24.4 | | ug/l | 25.0 | | 97 | 80-125 | | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030

Report Number: PUI0739

Sampled: 09/13/11
Received: 09/13/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------|-----------|-------------|---------|-----------|-----------------|
| Batch: 1110653 Extracted: 09/19/11 | | | | | | | | | | |
| LCS Dup Analyzed: 09/19/2011 (1110653-BSD1) | | | | | | | | | | |
| Acetone | 20.4 | 10 | ug/l | 25.0 | | 82 | 10-150 | 0.4 | 35 | |
| Benzene | 24.0 | 0.50 | ug/l | 25.0 | | 96 | 80-120 | 3 | 15 | |
| Bromobenzene | 23.6 | 0.50 | ug/l | 25.0 | | 95 | 80-120 | 7 | 15 | |
| Bromochloromethane | 22.4 | 0.50 | ug/l | 25.0 | | 90 | 80-125 | 3 | 15 | |
| Bromodichloromethane | 19.7 | 0.50 | ug/l | 25.0 | | 79 | 80-120 | 6 | 15 | NI |
| Bromoform | 21.7 | 1.0 | ug/l | 25.0 | | 87 | 75-130 | 8 | 20 | |
| Bromomethane | 23.4 | 1.0 | ug/l | 25.0 | | 94 | 55-150 | 0.9 | 20 | |
| 2-Butanone (MEK) | 19.6 | 2.5 | ug/l | 25.0 | | 79 | 40-150 | 4 | 35 | |
| n-Butylbenzene | 22.9 | 0.50 | ug/l | 25.0 | | 92 | 80-130 | 5 | 15 | |
| sec-Butylbenzene | 23.8 | 0.50 | ug/l | 25.0 | | 95 | 80-125 | 6 | 15 | |
| tert-Butylbenzene | 23.2 | 0.50 | ug/l | 25.0 | | 93 | 80-120 | 7 | 15 | |
| Carbon disulfide | 22.7 | 0.50 | ug/l | 25.0 | | 91 | 70-140 | 3 | 15 | |
| Carbon tetrachloride | 23.9 | 0.50 | ug/l | 25.0 | | 95 | 75-130 | 4 | 20 | |
| Chlorobenzene | 25.2 | 0.50 | ug/l | 25.0 | | 101 | 80-120 | 2 | 15 | |
| Chloroethane | 20.2 | 1.0 | ug/l | 25.0 | | 81 | 70-130 | 8 | 15 | |
| Chloroform | 21.0 | 0.50 | ug/l | 25.0 | | 84 | 75-120 | 6 | 15 | |
| Chloromethane | 18.4 | 1.0 | ug/l | 25.0 | | 74 | 60-140 | 5 | 20 | |
| 2-Chlorotoluene | 22.2 | 0.50 | ug/l | 25.0 | | 89 | 80-120 | 6 | 15 | |
| 4-Chlorotoluene | 22.2 | 0.50 | ug/l | 25.0 | | 89 | 80-120 | 5 | 15 | |
| Dibromochloromethane | 21.6 | 0.50 | ug/l | 25.0 | | 86 | 80-120 | 4 | 15 | |
| 1,2-Dibromo-3-chloropropane | 19.8 | 2.5 | ug/l | 25.0 | | 79 | 50-150 | 10 | 35 | |
| 1,2-Dibromoethane (EDB) | 22.6 | 0.50 | ug/l | 25.0 | | 90 | 80-120 | 2 | 15 | |
| Dibromomethane | 22.1 | 0.50 | ug/l | 25.0 | | 88 | 75-120 | 8 | 15 | |
| 1,2-Dichlorobenzene | 23.4 | 0.50 | ug/l | 25.0 | | 94 | 80-120 | 7 | 15 | |
| 1,3-Dichlorobenzene | 24.0 | 0.50 | ug/l | 25.0 | | 96 | 80-120 | 8 | 15 | |
| 1,4-Dichlorobenzene | 23.7 | 0.50 | ug/l | 25.0 | | 95 | 80-120 | 7 | 15 | |
| Dichlorodifluoromethane | 18.6 | 0.50 | ug/l | 25.0 | | 74 | 60-150 | 4 | 30 | |
| 1,1-Dichloroethane | 22.1 | 0.50 | ug/l | 25.0 | | 88 | 70-125 | 1 | 15 | |
| 1,2-Dichloroethane | 19.5 | 0.50 | ug/l | 25.0 | | 78 | 75-130 | 6 | 15 | |
| 1,1-Dichloroethene | 23.4 | 0.50 | ug/l | 25.0 | | 94 | 75-125 | 1 | 20 | |
| cis-1,2-Dichloroethene | 20.4 | 0.50 | ug/l | 25.0 | | 82 | 80-120 | 6 | 15 | |
| trans-1,2-Dichloroethene | 22.3 | 0.50 | ug/l | 25.0 | | 89 | 80-120 | 0.4 | 15 | |
| 1,2-Dichloropropane | 21.6 | 0.50 | ug/l | 25.0 | | 86 | 80-120 | 5 | 15 | |
| 1,3-Dichloropropane | 20.0 | 0.50 | ug/l | 25.0 | | 80 | 80-120 | 11 | 15 | |
| 2,2-Dichloropropane | 20.6 | 1.0 | ug/l | 25.0 | | 83 | 75-130 | 2 | 15 | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030
Report Number: PUI0739

Sampled: 09/13/11
Received: 09/13/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------|-----------|-------------|---------|-----------|-----------------|
| Batch: 1110653 Extracted: 09/19/11 | | | | | | | | | | |
| LCS Dup Analyzed: 09/19/2011 (1110653-BSD1) | | | | | | | | | | |
| 1,1-Dichloropropene | 22.2 | 0.50 | ug/l | 25.0 | | 89 | 75-120 | 2 | 15 | |
| cis-1,3-Dichloropropene | 19.8 | 0.50 | ug/l | 25.0 | | 79 | 80-120 | 10 | 15 | NI |
| trans-1,3-Dichloropropene | 18.8 | 0.50 | ug/l | 25.0 | | 75 | 80-125 | 9 | 15 | NI |
| Ethylbenzene | 24.5 | 0.50 | ug/l | 25.0 | | 98 | 80-120 | 1 | 15 | |
| Hexachlorobutadiene | 23.5 | 1.0 | ug/l | 25.0 | | 94 | 40-150 | 6 | 35 | |
| 2-Hexanone | 17.8 | 2.5 | ug/l | 25.0 | | 71 | 20-150 | 5 | 35 | |
| Iodomethane | 31.4 | 2.5 | ug/l | 25.0 | | 126 | 80-130 | 2 | 10 | |
| Isopropylbenzene | 24.8 | 0.50 | ug/l | 25.0 | | 99 | 80-130 | 6 | 15 | |
| p-Isopropyltoluene | 23.5 | 0.50 | ug/l | 25.0 | | 94 | 80-130 | 5 | 15 | |
| Methylene Chloride | 22.8 | 1.0 | ug/l | 25.0 | | 91 | 70-120 | 7 | 15 | |
| 4-Methyl-2-pentanone (MIBK) | 16.6 | 2.5 | ug/l | 25.0 | | 66 | 60-135 | 8 | 25 | |
| Methyl-tert-butyl Ether (MTBE) | 18.2 | 0.50 | ug/l | 25.0 | | 73 | 70-130 | 4 | 20 | |
| Naphthalene | 20.9 | 2.5 | ug/l | 25.0 | | 84 | 40-150 | 5 | 30 | |
| n-Propylbenzene | 23.6 | 0.50 | ug/l | 25.0 | | 95 | 75-130 | 6 | 15 | |
| Styrene | 21.4 | 0.50 | ug/l | 25.0 | | 86 | 80-120 | 4 | 15 | |
| 1,1,1,2-Tetrachloroethane | 24.0 | 0.50 | ug/l | 25.0 | | 96 | 75-125 | 3 | 15 | |
| 1,1,2,2-Tetrachloroethane | 20.8 | 0.50 | ug/l | 25.0 | | 83 | 80-120 | 8 | 20 | |
| Tetrachloroethene | 22.2 | 0.50 | ug/l | 25.0 | | 89 | 70-130 | 20 | 20 | |
| Toluene | 23.3 | 0.50 | ug/l | 25.0 | | 93 | 80-120 | 4 | 15 | |
| 1,2,3-Trichlorobenzene | 23.5 | 1.0 | ug/l | 25.0 | | 94 | 55-150 | 4 | 35 | |
| 1,2,4-Trichlorobenzene | 22.9 | 1.0 | ug/l | 25.0 | | 91 | 50-150 | 8 | 30 | |
| 1,1,1-Trichloroethane | 22.2 | 0.50 | ug/l | 25.0 | | 89 | 75-125 | 6 | 15 | |
| 1,1,2-Trichloroethane | 20.5 | 0.50 | ug/l | 25.0 | | 82 | 80-120 | 11 | 15 | |
| Trichloroethene | 23.3 | 0.50 | ug/l | 25.0 | | 93 | 80-120 | 6 | 15 | |
| Trichlorofluoromethane | 21.9 | 0.50 | ug/l | 25.0 | | 88 | 70-150 | 0.6 | 25 | |
| 1,2,3-Trichloropropane | 19.6 | 1.0 | ug/l | 25.0 | | 79 | 70-130 | 10 | 20 | |
| 1,2,4-Trimethylbenzene | 23.1 | 0.50 | ug/l | 25.0 | | 93 | 80-120 | 6 | 15 | |
| 1,3,5-Trimethylbenzene | 23.4 | 0.50 | ug/l | 25.0 | | 93 | 80-130 | 7 | 15 | |
| Vinyl Acetate | 18.2 | 1.0 | ug/l | 25.0 | | 73 | 40-150 | 8 | 25 | |
| Vinyl chloride | 21.0 | 0.50 | ug/l | 25.0 | | 84 | 70-130 | 8 | 20 | |
| Xylenes, Total | 48.5 | 1.5 | ug/l | 50.0 | | 97 | 60-140 | 3 | 15 | |
| Freon 113 | 23.9 | 2.0 | ug/l | 25.0 | | 96 | 60-140 | 3 | 15 | |
| Surrogate: Dibromofluoromethane | 23.1 | | ug/l | 25.0 | | 93 | 80-130 | | | |
| Surrogate: Toluene-d8 | 24.3 | | ug/l | 25.0 | | 97 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 24.2 | | ug/l | 25.0 | | 97 | 80-125 | | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030

Report Number: PUI0739

Sampled: 09/13/11

Received: 09/13/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | Limit | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------------------|-----------|--------|-----|-----------|-----------------|
| Batch: 1110653 Extracted: 09/19/11 | | | | | | | | | | |
| Matrix Spike Analyzed: 09/19/2011 (1110653-MS1) | | | | | Source: PUI0739-01 | | | | | |
| Acetone | 13.3 | 10 | ug/l | 25.0 | ND | 53 | 10-150 | | | |
| Benzene | 23.8 | 0.50 | ug/l | 25.0 | ND | 95 | 70-125 | | | |
| Bromobenzene | 23.9 | 0.50 | ug/l | 25.0 | ND | 96 | 75-120 | | | |
| Bromochloromethane | 21.1 | 0.50 | ug/l | 25.0 | ND | 85 | 75-130 | | | |
| Bromodichloromethane | 19.6 | 0.50 | ug/l | 25.0 | ND | 79 | 75-125 | | | |
| Bromoform | 21.9 | 1.0 | ug/l | 25.0 | ND | 88 | 65-125 | | | |
| Bromomethane | 24.1 | 1.0 | ug/l | 25.0 | ND | 96 | 45-150 | | | |
| 2-Butanone (MEK) | 16.9 | 2.5 | ug/l | 25.0 | ND | 68 | 15-150 | | | |
| n-Butylbenzene | 22.5 | 0.50 | ug/l | 25.0 | ND | 90 | 70-130 | | | |
| sec-Butylbenzene | 23.8 | 0.50 | ug/l | 25.0 | ND | 95 | 70-125 | | | |
| tert-Butylbenzene | 23.5 | 0.50 | ug/l | 25.0 | ND | 94 | 70-125 | | | |
| Carbon disulfide | 23.1 | 0.50 | ug/l | 25.0 | ND | 92 | 65-145 | | | |
| Carbon tetrachloride | 24.4 | 0.50 | ug/l | 25.0 | ND | 97 | 65-135 | | | |
| Chlorobenzene | 24.8 | 0.50 | ug/l | 25.0 | ND | 99 | 75-120 | | | |
| Chloroethane | 20.6 | 1.0 | ug/l | 25.0 | ND | 82 | 65-140 | | | |
| Chloroform | 22.8 | 0.50 | ug/l | 25.0 | 1.18 | 86 | 70-130 | | | |
| Chloromethane | 18.0 | 1.0 | ug/l | 25.0 | ND | 72 | 55-145 | | | |
| 2-Chlorotoluene | 23.0 | 0.50 | ug/l | 25.0 | ND | 92 | 70-125 | | | |
| 4-Chlorotoluene | 22.8 | 0.50 | ug/l | 25.0 | ND | 91 | 70-125 | | | |
| Dibromochloromethane | 20.6 | 0.50 | ug/l | 25.0 | ND | 82 | 70-130 | | | |
| 1,2-Dibromo-3-chloropropane | 19.6 | 2.5 | ug/l | 25.0 | ND | 79 | 50-150 | | | |
| 1,2-Dibromoethane (EDB) | 21.2 | 0.50 | ug/l | 25.0 | ND | 85 | 70-125 | | | |
| Dibromomethane | 20.3 | 0.50 | ug/l | 25.0 | ND | 81 | 70-120 | | | |
| 1,2-Dichlorobenzene | 23.0 | 0.50 | ug/l | 25.0 | ND | 92 | 75-120 | | | |
| 1,3-Dichlorobenzene | 23.8 | 0.50 | ug/l | 25.0 | ND | 95 | 75-120 | | | |
| 1,4-Dichlorobenzene | 23.3 | 0.50 | ug/l | 25.0 | ND | 93 | 70-125 | | | |
| Dichlorodifluoromethane | 19.0 | 0.50 | ug/l | 25.0 | ND | 76 | 60-150 | | | |
| 1,1-Dichloroethane | 26.6 | 0.50 | ug/l | 25.0 | 5.41 | 85 | 70-130 | | | |
| 1,2-Dichloroethane | 19.2 | 0.50 | ug/l | 25.0 | ND | 77 | 65-140 | | | |
| 1,1-Dichloroethene | 32.3 | 0.50 | ug/l | 25.0 | 9.41 | 91 | 70-130 | | | |
| cis-1,2-Dichloroethene | 27.4 | 0.50 | ug/l | 25.0 | 6.93 | 82 | 70-125 | | | |
| trans-1,2-Dichloroethene | 22.3 | 0.50 | ug/l | 25.0 | ND | 89 | 75-125 | | | |
| 1,2-Dichloropropane | 21.4 | 0.50 | ug/l | 25.0 | ND | 86 | 75-125 | | | |
| 1,3-Dichloropropane | 21.4 | 0.50 | ug/l | 25.0 | ND | 86 | 70-120 | | | |
| 2,2-Dichloropropane | 20.8 | 1.0 | ug/l | 25.0 | ND | 83 | 65-140 | | | |

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Kylie Emily
Project Manager

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PUI0739 <Page 28 of 34>

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030

Report Number: PUI0739

Sampled: 09/13/11
Received: 09/13/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------------------|-----------|-------------|---------|-----------|-----------------|
| Batch: 1110653 Extracted: 09/19/11 | | | | | | | | | | |
| Matrix Spike Analyzed: 09/19/2011 (1110653-MS1) | | | | | Source: PUI0739-01 | | | | | |
| 1,1-Dichloropropene | 21.8 | 0.50 | ug/l | 25.0 | ND | 87 | 65-130 | | | |
| cis-1,3-Dichloropropene | 20.1 | 0.50 | ug/l | 25.0 | ND | 80 | 75-130 | | | |
| trans-1,3-Dichloropropene | 19.2 | 0.50 | ug/l | 25.0 | ND | 77 | 70-130 | | | |
| Ethylbenzene | 24.1 | 0.50 | ug/l | 25.0 | ND | 96 | 70-125 | | | |
| Hexachlorobutadiene | 17.6 | 1.0 | ug/l | 25.0 | ND | 70 | 40-150 | | | |
| 2-Hexanone | 14.8 | 2.5 | ug/l | 25.0 | ND | 59 | 20-150 | | | |
| Iodomethane | 32.0 | 2.5 | ug/l | 25.0 | ND | 128 | 60-150 | | | |
| Isopropylbenzene | 25.4 | 0.50 | ug/l | 25.0 | ND | 102 | 75-130 | | | |
| p-Isopropyltoluene | 23.4 | 0.50 | ug/l | 25.0 | ND | 93 | 70-130 | | | |
| Methylene Chloride | 23.1 | 1.0 | ug/l | 25.0 | ND | 92 | 65-130 | | | |
| 4-Methyl-2-pentanone (MIBK) | 15.8 | 2.5 | ug/l | 25.0 | ND | 63 | 55-135 | | | |
| Methyl-tert-butyl Ether (MTBE) | 16.8 | 0.50 | ug/l | 25.0 | ND | 67 | 65-140 | | | |
| Naphthalene | 17.3 | 2.5 | ug/l | 25.0 | ND | 69 | 40-150 | | | |
| n-Propylbenzene | 24.3 | 0.50 | ug/l | 25.0 | ND | 97 | 70-130 | | | |
| Styrene | 19.9 | 0.50 | ug/l | 25.0 | ND | 80 | 55-135 | | | |
| 1,1,1,2-Tetrachloroethane | 23.4 | 0.50 | ug/l | 25.0 | ND | 93 | 70-125 | | | |
| 1,1,2,2-Tetrachloroethane | 20.4 | 0.50 | ug/l | 25.0 | ND | 82 | 70-125 | | | |
| Tetrachloroethene | 28.2 | 0.50 | ug/l | 25.0 | 1.94 | 105 | 65-130 | | | |
| Toluene | 24.8 | 0.50 | ug/l | 25.0 | 0.370 | 98 | 70-125 | | | |
| 1,2,3-Trichlorobenzene | 19.9 | 1.0 | ug/l | 25.0 | ND | 80 | 50-150 | | | |
| 1,2,4-Trichlorobenzene | 20.8 | 1.0 | ug/l | 25.0 | ND | 83 | 50-150 | | | |
| 1,1,1-Trichloroethane | 22.7 | 0.50 | ug/l | 25.0 | ND | 91 | 70-130 | | | |
| 1,1,2-Trichloroethane | 20.6 | 0.50 | ug/l | 25.0 | ND | 83 | 75-125 | | | |
| Trichloroethene | 56.9 | 0.50 | ug/l | 25.0 | 35.3 | 87 | 70-125 | | | |
| Trichlorofluoromethane | 22.4 | 0.50 | ug/l | 25.0 | 0.160 | 89 | 65-150 | | | |
| 1,2,3-Trichloropropane | 18.9 | 1.0 | ug/l | 25.0 | ND | 76 | 70-130 | | | |
| 1,2,4-Trimethylbenzene | 23.2 | 0.50 | ug/l | 25.0 | ND | 93 | 70-125 | | | |
| 1,3,5-Trimethylbenzene | 23.6 | 0.50 | ug/l | 25.0 | ND | 95 | 75-130 | | | |
| Vinyl Acetate | 16.8 | 1.0 | ug/l | 25.0 | ND | 67 | 40-150 | | | |
| Vinyl chloride | 21.4 | 0.50 | ug/l | 25.0 | ND | 86 | 60-140 | | | |
| Xylenes, Total | 47.2 | 1.5 | ug/l | 50.0 | ND | 94 | 75-120 | | | |
| Freon 113 | 24.6 | 2.0 | ug/l | 25.0 | ND | 98 | 65-140 | | | |
| Surrogate: Dibromofluoromethane | 23.3 | | ug/l | 25.0 | | 93 | 80-130 | | | |
| Surrogate: Toluene-d8 | 25.3 | | ug/l | 25.0 | | 101 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 24.1 | | ug/l | 25.0 | | 96 | 80-125 | | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030

Report Number: PUI0739

Sampled: 09/13/11
Received: 09/13/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | Limit | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-------|-------------|---------------------------|-----------|--------|-----|-----------|-----------------|
| Batch: 1110653 Extracted: 09/19/11 | | | | | | | | | | |
| Matrix Spike Dup Analyzed: 09/19/2011 (1110653-MSD1) | | | | | Source: PUI0739-01 | | | | | |
| Acetone | 19.0 | 10 | ug/l | 25.0 | ND | 76 | 10-150 | 35 | 35 | |
| Benzene | 24.8 | 0.50 | ug/l | 25.0 | ND | 99 | 70-125 | 4 | 25 | |
| Bromobenzene | 24.8 | 0.50 | ug/l | 25.0 | ND | 99 | 75-120 | 4 | 20 | |
| Bromochloromethane | 23.6 | 0.50 | ug/l | 25.0 | ND | 94 | 75-130 | 11 | 20 | |
| Bromodichloromethane | 20.7 | 0.50 | ug/l | 25.0 | ND | 83 | 75-125 | 5 | 20 | |
| Bromoform | 22.0 | 1.0 | ug/l | 25.0 | ND | 88 | 65-125 | 0.6 | 25 | |
| Bromomethane | 24.8 | 1.0 | ug/l | 25.0 | ND | 99 | 45-150 | 3 | 35 | |
| 2-Butanone (MEK) | 18.6 | 2.5 | ug/l | 25.0 | ND | 74 | 15-150 | 10 | 30 | |
| n-Butylbenzene | 22.8 | 0.50 | ug/l | 25.0 | ND | 91 | 70-130 | 1 | 30 | |
| sec-Butylbenzene | 24.3 | 0.50 | ug/l | 25.0 | ND | 97 | 70-125 | 2 | 30 | |
| tert-Butylbenzene | 24.0 | 0.50 | ug/l | 25.0 | ND | 96 | 70-125 | 2 | 25 | |
| Carbon disulfide | 25.0 | 0.50 | ug/l | 25.0 | ND | 100 | 65-145 | 8 | 25 | |
| Carbon tetrachloride | 24.0 | 0.50 | ug/l | 25.0 | ND | 96 | 65-135 | 2 | 25 | |
| Chlorobenzene | 26.2 | 0.50 | ug/l | 25.0 | ND | 105 | 75-120 | 6 | 20 | |
| Chloroethane | 21.6 | 1.0 | ug/l | 25.0 | ND | 86 | 65-140 | 5 | 25 | |
| Chloroform | 24.3 | 0.50 | ug/l | 25.0 | 1.18 | 92 | 70-130 | 6 | 20 | |
| Chloromethane | 18.6 | 1.0 | ug/l | 25.0 | ND | 74 | 55-145 | 3 | 35 | |
| 2-Chlorotoluene | 22.9 | 0.50 | ug/l | 25.0 | ND | 92 | 70-125 | 0.3 | 25 | |
| 4-Chlorotoluene | 23.0 | 0.50 | ug/l | 25.0 | ND | 92 | 70-125 | 0.5 | 25 | |
| Dibromochloromethane | 22.2 | 0.50 | ug/l | 25.0 | ND | 89 | 70-130 | 8 | 20 | |
| 1,2-Dibromo-3-chloropropane | 19.2 | 2.5 | ug/l | 25.0 | ND | 77 | 50-150 | 2 | 30 | |
| 1,2-Dibromoethane (EDB) | 22.8 | 0.50 | ug/l | 25.0 | ND | 91 | 70-125 | 7 | 20 | |
| Dibromomethane | 23.0 | 0.50 | ug/l | 25.0 | ND | 92 | 70-120 | 12 | 20 | |
| 1,2-Dichlorobenzene | 24.6 | 0.50 | ug/l | 25.0 | ND | 98 | 75-120 | 7 | 20 | |
| 1,3-Dichlorobenzene | 25.2 | 0.50 | ug/l | 25.0 | ND | 101 | 75-120 | 6 | 25 | |
| 1,4-Dichlorobenzene | 24.9 | 0.50 | ug/l | 25.0 | ND | 100 | 70-125 | 7 | 20 | |
| Dichlorodifluoromethane | 16.8 | 0.50 | ug/l | 25.0 | ND | 67 | 60-150 | 13 | 30 | |
| 1,1-Dichloroethane | 28.1 | 0.50 | ug/l | 25.0 | 5.41 | 91 | 70-130 | 5 | 20 | |
| 1,2-Dichloroethane | 20.5 | 0.50 | ug/l | 25.0 | ND | 82 | 65-140 | 7 | 20 | |
| 1,1-Dichloroethene | 31.9 | 0.50 | ug/l | 25.0 | 9.41 | 90 | 70-130 | 1 | 25 | |
| cis-1,2-Dichloroethene | 29.0 | 0.50 | ug/l | 25.0 | 6.93 | 88 | 70-125 | 6 | 20 | |
| trans-1,2-Dichloroethene | 22.9 | 0.50 | ug/l | 25.0 | ND | 92 | 75-125 | 3 | 25 | |
| 1,2-Dichloropropane | 22.8 | 0.50 | ug/l | 25.0 | ND | 91 | 75-125 | 6 | 20 | |
| 1,3-Dichloropropane | 23.4 | 0.50 | ug/l | 25.0 | ND | 93 | 70-120 | 9 | 20 | |
| 2,2-Dichloropropane | 21.4 | 1.0 | ug/l | 25.0 | ND | 85 | 65-140 | 3 | 25 | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030

Report Number: PUI0739

Sampled: 09/13/11
Received: 09/13/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-------|-------------|---------------------------|------|-------------|-----|-----------|-----------------|
| Batch: 1110653 Extracted: 09/19/11 | | | | | | | | | | |
| Matrix Spike Dup Analyzed: 09/19/2011 (1110653-MSD1) | | | | | Source: PUI0739-01 | | | | | |
| 1,1-Dichloropropene | 22.5 | 0.50 | ug/l | 25.0 | ND | 90 | 65-130 | 3 | 25 | |
| cis-1,3-Dichloropropene | 22.1 | 0.50 | ug/l | 25.0 | ND | 89 | 75-130 | 10 | 20 | |
| trans-1,3-Dichloropropene | 20.7 | 0.50 | ug/l | 25.0 | ND | 83 | 70-130 | 7 | 20 | |
| Ethylbenzene | 25.4 | 0.50 | ug/l | 25.0 | ND | 101 | 70-125 | 5 | 25 | |
| Hexachlorobutadiene | 25.3 | 1.0 | ug/l | 25.0 | ND | 101 | 40-150 | 36 | 30 | R4 |
| 2-Hexanone | 17.9 | 2.5 | ug/l | 25.0 | ND | 72 | 20-150 | 19 | 30 | |
| Iodomethane | 33.4 | 2.5 | ug/l | 25.0 | ND | 134 | 60-150 | 4 | 30 | |
| Isopropylbenzene | 25.3 | 0.50 | ug/l | 25.0 | ND | 101 | 75-130 | 0.4 | 25 | |
| p-Isopropyltoluene | 23.9 | 0.50 | ug/l | 25.0 | ND | 96 | 70-130 | 2 | 30 | |
| Methylene Chloride | 23.8 | 1.0 | ug/l | 25.0 | ND | 95 | 65-130 | 3 | 20 | |
| 4-Methyl-2-pentanone (MIBK) | 17.0 | 2.5 | ug/l | 25.0 | ND | 68 | 55-135 | 8 | 25 | |
| Methyl-tert-butyl Ether (MTBE) | 18.3 | 0.50 | ug/l | 25.0 | ND | 73 | 65-140 | 9 | 25 | |
| Naphthalene | 20.3 | 2.5 | ug/l | 25.0 | ND | 81 | 40-150 | 16 | 30 | |
| n-Propylbenzene | 24.3 | 0.50 | ug/l | 25.0 | ND | 97 | 70-130 | 0.1 | 30 | |
| Styrene | 16.5 | 0.50 | ug/l | 25.0 | ND | 66 | 55-135 | 19 | 35 | |
| 1,1,1,2-Tetrachloroethane | 25.5 | 0.50 | ug/l | 25.0 | ND | 102 | 70-125 | 9 | 20 | |
| 1,1,2,2-Tetrachloroethane | 21.3 | 0.50 | ug/l | 25.0 | ND | 85 | 70-125 | 4 | 25 | |
| Tetrachloroethene | 28.8 | 0.50 | ug/l | 25.0 | 1.94 | 107 | 65-130 | 2 | 25 | |
| Toluene | 25.8 | 0.50 | ug/l | 25.0 | 0.370 | 102 | 70-125 | 4 | 20 | |
| 1,2,3-Trichlorobenzene | 24.3 | 1.0 | ug/l | 25.0 | ND | 97 | 50-150 | 20 | 35 | |
| 1,2,4-Trichlorobenzene | 24.8 | 1.0 | ug/l | 25.0 | ND | 99 | 50-150 | 17 | 25 | |
| 1,1,1-Trichloroethane | 23.1 | 0.50 | ug/l | 25.0 | ND | 92 | 70-130 | 2 | 25 | |
| 1,1,2-Trichloroethane | 22.3 | 0.50 | ug/l | 25.0 | ND | 89 | 75-125 | 8 | 20 | |
| Trichloroethene | 56.7 | 0.50 | ug/l | 25.0 | 35.3 | 86 | 70-125 | 0.4 | 25 | |
| Trichlorofluoromethane | 21.1 | 0.50 | ug/l | 25.0 | 0.160 | 84 | 65-150 | 6 | 25 | |
| 1,2,3-Trichloropropane | 18.3 | 1.0 | ug/l | 25.0 | ND | 73 | 70-130 | 3 | 25 | |
| 1,2,4-Trimethylbenzene | 22.4 | 0.50 | ug/l | 25.0 | ND | 90 | 70-125 | 3 | 30 | |
| 1,3,5-Trimethylbenzene | 23.7 | 0.50 | ug/l | 25.0 | ND | 95 | 75-130 | 0.3 | 25 | |
| Vinyl Acetate | 17.0 | 1.0 | ug/l | 25.0 | ND | 68 | 40-150 | 0.9 | 30 | |
| Vinyl chloride | 21.2 | 0.50 | ug/l | 25.0 | ND | 85 | 60-140 | 1 | 25 | |
| Xylenes, Total | 50.6 | 1.5 | ug/l | 50.0 | ND | 101 | 75-120 | 7 | 15 | |
| Freon 113 | 22.3 | 2.0 | ug/l | 25.0 | ND | 89 | 65-140 | 10 | 20 | |
| Surrogate: Dibromofluoromethane | 23.5 | | ug/l | 25.0 | | 94 | 80-130 | | | |
| Surrogate: Toluene-d8 | 25.8 | | ug/l | 25.0 | | 103 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 24.9 | | ug/l | 25.0 | | 100 | 80-125 | | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

PUI0739 <Page 31 of 34>

Environmental Resources Management Inc.-West
 7272 E. Indian School Rd., Ste. 100
 Scottsdale, AZ 85251
 Attention: Jason Hilker

Project ID: 0096498.030

Report Number: PUI0739

Sampled: 09/13/11

Received: 09/13/11

METHOD BLANK/QC DATA

1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------|-----------|-----------|-----|-----------|-----------------|
| Batch: 1110590 Extracted: 09/16/11 | | | | | | | | | | |
| Blank Analyzed: 09/18/2011 (1110590-BLK1) | | | | | | | | | | |
| 1,4-Dioxane | ND | 1.0 | ug/l | | | | | | | |
| Surrogate: 1,4-Dioxane-d8 | 15.0 | | ug/l | 20.0 | | 75 | 38.6-88.3 | | | |
| Surrogate: Nitrobenzene-d5 | 18.9 | | ug/l | 20.0 | | 95 | 59.9-120 | | | |
| LCS Analyzed: 09/18/2011 (1110590-BS1) | | | | | | | | | | |
| 1,4-Dioxane | 20.2 | 1.0 | ug/l | 20.0 | | 101 | 80-120 | | | Q8 |
| Surrogate: 1,4-Dioxane-d8 | 15.0 | | ug/l | 20.0 | | 75 | 32-57 | | | S10 |
| Surrogate: Nitrobenzene-d5 | 20.0 | | ug/l | 20.0 | | 100 | 38-125 | | | |
| LCS Dup Analyzed: 09/18/2011 (1110590-BSD1) | | | | | | | | | | |
| 1,4-Dioxane | 20.2 | 1.0 | ug/l | 20.0 | | 101 | 80-120 | 0.2 | 25 | Q8 |
| Surrogate: 1,4-Dioxane-d8 | 15.7 | | ug/l | 20.0 | | 79 | 32-57 | | | S10 |
| Surrogate: Nitrobenzene-d5 | 20.6 | | ug/l | 20.0 | | 103 | 38-125 | | | |

TestAmerica Phoenix

Kylie Emily
 Project Manager

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030

Report Number: PUI0739

Sampled: 09/13/11
Received: 09/13/11

DATA QUALIFIERS AND DEFINITIONS

N1 See case narrative.
Q8 Insufficient sample received to meet method QC requirements. Batch QC requirements satisfy ADEQ policies 0154.000 and 0155.000.
R4 MS/MSD RPD exceeded the method acceptance limit. Recovery met acceptance criteria.
S10 Surrogate recovery was above laboratory and method acceptance limits. See case narrative.
ND Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
RPD Relative Percent Difference

TestAmerica Phoenix

Kylie Emily
Project Manager

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PUI0739 <Page 33 of 34>

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030

Report Number: PUI0739

Sampled: 09/13/11

Received: 09/13/11

Certification Summary

TestAmerica Phoenix

| Method | Matrix | Nelac | Arizona |
|-----------|--------|-------|---------|
| EPA 8260B | Water | X | X |
| EPA 8270C | Water | | X |

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for TestAmerica may be obtained by contacting the laboratory or visiting our website at www.testamericainc.com

TestAmerica Phoenix

Kylie Emily
Project Manager

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PUI0739 <Page 34 of 34>

TestAmerica

CHAIN OF CUSTODY FORM

THE LEADER IN ENVIRONMENTAL TESTING

TAL-0013-550 (10/10)

- Phoenix - 4625 E. Cotton Center Blvd., Suite 189, Phoenix, AZ 85040 (602) 437-3340 FAX (602) 454-9303
- Tucson - 1870 W. Prince Road, Suite 59, Tucson, AZ 85705 (520) 807-3801 FAX (520) 807-3803
- Las Vegas - 6000 S Eastern Ave., Suite 5E, Las Vegas, NV 89119 (702) 429-1264

| Client Name/Address: ERM 7272 E Indian School Suite 100 Scottsdale, AZ 85251 | | | | | | | Project/PO Number: 0096498.030 | | Analysis Required | | | | | | | | | |
|---|---------------|----------------|------------|---------------|---------------|---------------|--|---|---------------------|-----------------|--|--------------------------------|--|--|---|--|----|----------------------|
| Project Manager: Jason Hiller Jason.Hiller@ERM.com Sampler: Adam Nugh | | | | | | | Phone Number: 480-998-2401 | | VOL (400B) | 4-Dioxin (820C) | | | | | | | | PUI0739 |
| | | | | | | | Fax Number: | | | | | | | | | | | |
| Sample Description | Sample Matrix | Container Type | # of Cont. | Sampling Date | Sampling Time | Preservatives | | | | | | | | | | | | Special Instructions |
| DU3-10M2-M-091311 | WT | 40mL | 3 | 9/13/11 | 935 | HCl | X | X | | | | | | | | | | 01 |
| DU3-10M2-M-091311-Q1 | | | | | 935 | | | | | | | | | | | | | 02 |
| DU3-10M-M-091311 | | | | | 1119 | | | | | | | | | | | | | 03 |
| FWDU3-10S-R-S-091311 | | | | | 1023 | | | | | | | | | | | | | 04 |
| DU3-8D-D-091311 | | | | | 1301 | | | | | | | | | | | | | 05 |
| DU3-8S-S-091311 | | | | | 1322 | | | | | | | | | | | | | 06 |
| GW-EB1-4-091311 | | | | | 1524 | | | | | | | | | | | | | 07 |
| GW-L1-4-091311 | | 40mL | 1 | | | HCl | | | TRIP BLANK | | | | | | | | 08 | |
| Relinquished By: ERM | | | | | | | Date/Time: 9/13 1700 | | Received By: | | | Date/Time: | | | Turnaround Time: (Check) | | | |
| Relinquished By: | | | | | | | Date/Time: | | Received By: | | | Date/Time: | | | same day _____ 72 hours _____ | | | |
| Relinquished By: | | | | | | | Date/Time: | | Received in Lab By: | | | Date/Time: 9/13/11 1700 | | | 24 hours _____ 5 days _____ | | | |
| Relinquished By: | | | | | | | Date/Time: | | Received in Lab By: | | | Date/Time: | | | 48 hours _____ normal <input checked="" type="checkbox"/> | | | |
| Relinquished By: | | | | | | | Date/Time: | | Received in Lab By: | | | Date/Time: | | | Sample Integrity: (Check) | | | |
| Relinquished By: | | | | | | | Date/Time: | | Received in Lab By: | | | Date/Time: | | | Intact <input checked="" type="checkbox"/> on Ice <input checked="" type="checkbox"/> | | | |

Note: By relinquishing samples to TestAmerica, client agrees to pay for the services requested on this chain of custody form and any additional analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 30 days.

3.6°C, 2.4°C

Environmental Resources Management

CHAIN OF CUSTODY RECORD

PUI 0739

NO: 3044

7272 E. Indian School Road, Suite 100 • Scottsdale, AZ • 85251 • (480) 998-2401 • FAX (480) 998-2106

Page 2 of 2

| PROJECT # | | PROJECT NAME | | | | | | | # OF CONTAINERS | MATRIX | | | REQUESTED PARAMETERS | | | | | | | | | | | | |
|--|---------|--|------|----------------------------------|-----------------|------------------------------------|-----------|---------------------------------------|----------------------|--------------------------------------|-------|--|----------------------|--|--|--|--|--|--|--|--|--|--|--|--|
| 0096498.030 | | 003 | | | | | | | | SOIL | WATER | GAS | VOC 8260B | | | | | | | | | | | | |
| SAMPLER: (PRINT NAME) | | (SIGNATURE) | | | | | | | | | | | | | | | | | | | | | | | |
| Adam Nagle | | | | | | | | | RECEIVING LABORATORY | | | | | | | | | | | | | | | | |
| Test America Phoenix | | | | | | | | | | | | | | | | | | | | | | | | | |
| SAMPLE I.D. | DATE | TIME | COMP | GRAB | SAMPLING METHOD | PRESERVATIVE | ICE (Y/N) | SAMPLING VOLUME | | | | | | | | | | | | | | | | | |
| GW-21-1-091311 | 9/13/11 | 1227 | | X | — | HCl | Y | 3=40ML | 3 | X | X | | | | | | | | | | | | | | |
| RELINQUISHED BY (SIGNATURE) | | | DATE | TIME | RECEIVED BY | | | DATE | TIME | FIELD REMARKS | | | | | | | | | | | | | | | |
| | | | 9/13 | 1700 | | | | | | 3.6° 2.4°C | | | | | | | | | | | | | | | |
| RELINQUISHED BY (SIGNATURE) | | | DATE | TIME | RECEIVED BY | | | DATE | TIME | | | | | | | | | | | | | | | | |
| RELINQUISHED BY (SIGNATURE) | | | DATE | TIME | RECEIVED BY | | | DATE | TIME | | | | | | | | | | | | | | | | |
| REMARKS ON SAMPLE RECEIPT | | | | | | | | ERM REMARKS | | | | SEND REPORT TO: jason.hilke@erm.com | | | | | | | | | | | | | |
| <input type="checkbox"/> BOTTLE INTACT | | <input type="checkbox"/> CUSTODY SEALS | | <input type="checkbox"/> CHILLED | | <input type="checkbox"/> PRESERVED | | <input type="checkbox"/> SEALS INTACT | | <input type="checkbox"/> SEE REMARKS | | | | | | | | | | | | | | | |

WHITE - LABORATORY COPY

CANARY - FIELD COPY

PINK - DATABASE

GOLD - PROJECT FILE

LABORATORY REPORT

Prepared For: Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project: OU3 0096498.030

Sampled: 09/13/11
Received: 09/13/11
Revised: 11/21/11 15:36

NELAP #01109CA Arizona DHS#AZ0728

*The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica. The Chain of Custody, 1 page, is included and is an integral part of this report.
This entire report was reviewed and approved for release.*

CASE NARRATIVE

LABORATORY ID

PUI0741-01

CLIENT ID

OU3-8M2-M-091311

MATRIX

Water

SAMPLE RECEIPT: Samples were received intact, at 4°C, on ice and with chain of custody documentation.

HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the TestAmerica Sample Acceptance Policy unless otherwise noted in the report.

PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

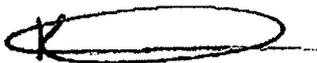
QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.
S10-Surrogate recovery was above acceptance limits.
N1 = Laboratory Control Sample Duplicate recovered low and outside of client acceptance limits for Bromodichloromethane, cis-1,3-Dichloropropene and trans-1,3-Dichloropropene. Recovery was within the laboratory acceptance limits. All associated samples are non-detect for this compound and therefore should not be impacted.

COMMENTS: No significant observations were made.

SUBCONTRACTED: No analyses were subcontracted to an outside laboratory.

ADDITIONAL INFORMATION: Report revised to reflect QAPP limits.

Reviewed By:



TestAmerica Phoenix

Kylie Emily
Project Manager

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0741

Sampled: 09/13/11
Received: 09/13/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0741-01 (OU3-8M2-M-091311 - Water) | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| Acetone | EPA 8260B | 11I0653 | 10 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Benzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Bromobenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Bromochloromethane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Bromodichloromethane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | NI |
| Bromoform | EPA 8260B | 11I0653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Bromomethane | EPA 8260B | 11I0653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 2-Butanone (MEK) | EPA 8260B | 11I0653 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| n-Butylbenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| sec-Butylbenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| tert-Butylbenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Carbon disulfide | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Carbon tetrachloride | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Chlorobenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Chloroethane | EPA 8260B | 11I0653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Chloroform | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Chloromethane | EPA 8260B | 11I0653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 2-Chlorotoluene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 4-Chlorotoluene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Dibromochloromethane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dibromo-3-chloropropane | EPA 8260B | 11I0653 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dibromoethane (EDB) | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Dibromomethane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dichlorobenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,3-Dichlorobenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,4-Dichlorobenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Dichlorodifluoromethane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1-Dichloroethane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dichloroethane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1-Dichloroethene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| cis-1,2-Dichloroethene | EPA 8260B | 11I0653 | 0.50 | 0.54 | 1 | 9/19/2011 | 9/19/2011 | |
| trans-1,2-Dichloroethene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dichloropropane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,3-Dichloropropane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 2,2-Dichloropropane | EPA 8260B | 11I0653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1-Dichloropropene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| cis-1,3-Dichloropropene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | NI |
| trans-1,3-Dichloropropene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | NI |
| Ethylbenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Hexachlorobutadiene | EPA 8260B | 11I0653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |

TestAmerica Phoenix

Kylie Emily
Project Manager

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0741

Sampled: 09/13/11
Received: 09/13/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0741-01 (OU3-8M2-M-091311 - Water) - cont. | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| 2-Hexanone | EPA 8260B | 1110653 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Iodomethane | EPA 8260B | 1110653 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Isopropylbenzene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| p-Isopropyltoluene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Methylene Chloride | EPA 8260B | 1110653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 4-Methyl-2-pentanone (MIBK) | EPA 8260B | 1110653 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Methyl-tert-butyl Ether (MTBE) | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Naphthalene | EPA 8260B | 1110653 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| n-Propylbenzene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Styrene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1,1,2-Tetrachloroethane | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1,2,2-Tetrachloroethane | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Tetrachloroethene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Toluene | EPA 8260B | 1110653 | 0.50 | 24 | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2,3-Trichlorobenzene | EPA 8260B | 1110653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2,4-Trichlorobenzene | EPA 8260B | 1110653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1,1-Trichloroethane | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1,2-Trichloroethane | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Trichloroethene | EPA 8260B | 1110653 | 0.50 | 7.1 | 1 | 9/19/2011 | 9/19/2011 | |
| Trichlorofluoromethane | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2,3-Trichloropropane | EPA 8260B | 1110653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2,4-Trimethylbenzene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,3,5-Trimethylbenzene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Vinyl Acetate | EPA 8260B | 1110653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Vinyl chloride | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Xylenes, Total | EPA 8260B | 1110653 | 1.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Freon 113 | EPA 8260B | 1110653 | 2.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Surrogate: Dibromofluoromethane (80-130%) | | | | | | | | 101 % |
| Surrogate: Toluene-d8 (80-120%) | | | | | | | | 105 % |
| Surrogate: 4-Bromofluorobenzene (80-125%) | | | | | | | | 86 % |

TestAmerica Phoenix

Kylie Emily
Project Manager

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PUI0741 <Page 3 of 17>

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0741

Sampled: 09/13/11

Received: 09/13/11

1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0741-01 (OU3-8M2-M-091311 - Water) | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| 1,4-Dioxane | EPA 8270C | 11I0590 | 1.0 | ND | 1 | 9/16/2011 | 9/18/2011 | |
| Surrogate: 1,4-Dioxane-d8 (38.6-88.3%) | | | | 74 % | | | | |
| Surrogate: Nitrobenzene-d5 (59.9-120%) | | | | 101 % | | | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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PUI0741 <Page 4 of 17>

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0741

Sampled: 09/13/11
Received: 09/13/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | RPD Limits RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------|-----------|----------------|-----------|-----------------|
| Batch: 1110653 Extracted: 09/19/11 | | | | | | | | | |
| Blank Analyzed: 09/19/2011 (1110653-BLK1) | | | | | | | | | |
| Acetone | ND | 10 | ug/l | | | | | | |
| Benzene | ND | 0.50 | ug/l | | | | | | |
| Bromobenzene | ND | 0.50 | ug/l | | | | | | |
| Bromochloromethane | ND | 0.50 | ug/l | | | | | | |
| Bromodichloromethane | ND | 0.50 | ug/l | | | | | | |
| Bromoform | ND | 1.0 | ug/l | | | | | | |
| Bromomethane | ND | 1.0 | ug/l | | | | | | |
| 2-Butanone (MEK) | ND | 2.5 | ug/l | | | | | | |
| n-Butylbenzene | ND | 0.50 | ug/l | | | | | | |
| sec-Butylbenzene | ND | 0.50 | ug/l | | | | | | |
| tert-Butylbenzene | ND | 0.50 | ug/l | | | | | | |
| Carbon disulfide | ND | 0.50 | ug/l | | | | | | |
| Carbon tetrachloride | ND | 0.50 | ug/l | | | | | | |
| Chlorobenzene | ND | 0.50 | ug/l | | | | | | |
| Chloroethane | ND | 1.0 | ug/l | | | | | | |
| Chloroform | ND | 0.50 | ug/l | | | | | | |
| Chloromethane | ND | 1.0 | ug/l | | | | | | |
| 2-Chlorotoluene | ND | 0.50 | ug/l | | | | | | |
| 4-Chlorotoluene | ND | 0.50 | ug/l | | | | | | |
| Dibromochloromethane | ND | 0.50 | ug/l | | | | | | |
| 1,2-Dibromo-3-chloropropane | ND | 2.5 | ug/l | | | | | | |
| 1,2-Dibromoethane (EDB) | ND | 0.50 | ug/l | | | | | | |
| Dibromomethane | ND | 0.50 | ug/l | | | | | | |
| 1,2-Dichlorobenzene | ND | 0.50 | ug/l | | | | | | |
| 1,3-Dichlorobenzene | ND | 0.50 | ug/l | | | | | | |
| 1,4-Dichlorobenzene | ND | 0.50 | ug/l | | | | | | |
| Dichlorodifluoromethane | ND | 0.50 | ug/l | | | | | | |
| 1,1-Dichloroethane | ND | 0.50 | ug/l | | | | | | |
| 1,2-Dichloroethane | ND | 0.50 | ug/l | | | | | | |
| 1,1-Dichloroethene | ND | 0.50 | ug/l | | | | | | |
| cis-1,2-Dichloroethene | ND | 0.50 | ug/l | | | | | | |
| trans-1,2-Dichloroethene | ND | 0.50 | ug/l | | | | | | |
| 1,2-Dichloropropane | ND | 0.50 | ug/l | | | | | | |
| 1,3-Dichloropropane | ND | 0.50 | ug/l | | | | | | |
| 2,2-Dichloropropane | ND | 1.0 | ug/l | | | | | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0741

Sampled: 09/13/11
Received: 09/13/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | Limit | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------|-----------|-------|-----|-----------|-----------------|
| Batch: 1110653 Extracted: 09/19/11 | | | | | | | | | | |
| Blank Analyzed: 09/19/2011 (1110653-BLK1) | | | | | | | | | | |
| 1,1-Dichloropropene | ND | 0.50 | ug/l | | | | | | | |
| cis-1,3-Dichloropropene | ND | 0.50 | ug/l | | | | | | | |
| trans-1,3-Dichloropropene | ND | 0.50 | ug/l | | | | | | | |
| Ethylbenzene | ND | 0.50 | ug/l | | | | | | | |
| Hexachlorobutadiene | ND | 1.0 | ug/l | | | | | | | |
| 2-Hexanone | ND | 2.5 | ug/l | | | | | | | |
| Iodomethane | ND | 2.5 | ug/l | | | | | | | |
| Isopropylbenzene | ND | 0.50 | ug/l | | | | | | | |
| p-Isopropyltoluene | ND | 0.50 | ug/l | | | | | | | |
| Methylene Chloride | ND | 1.0 | ug/l | | | | | | | |
| 4-Methyl-2-pentanone (MIBK) | ND | 2.5 | ug/l | | | | | | | |
| Methyl-tert-butyl Ether (MTBE) | ND | 0.50 | ug/l | | | | | | | |
| Naphthalene | ND | 2.5 | ug/l | | | | | | | |
| n-Propylbenzene | ND | 0.50 | ug/l | | | | | | | |
| Styrene | ND | 0.50 | ug/l | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 0.50 | ug/l | | | | | | | |
| 1,1,2,2-Tetrachloroethane | ND | 0.50 | ug/l | | | | | | | |
| Tetrachloroethene | ND | 0.50 | ug/l | | | | | | | |
| Toluene | ND | 0.50 | ug/l | | | | | | | |
| 1,2,3-Trichlorobenzene | ND | 1.0 | ug/l | | | | | | | |
| 1,2,4-Trichlorobenzene | ND | 1.0 | ug/l | | | | | | | |
| 1,1,1-Trichloroethane | ND | 0.50 | ug/l | | | | | | | |
| 1,1,2-Trichloroethane | ND | 0.50 | ug/l | | | | | | | |
| Trichloroethene | ND | 0.50 | ug/l | | | | | | | |
| Trichlorofluoromethane | ND | 0.50 | ug/l | | | | | | | |
| 1,2,3-Trichloropropane | ND | 1.0 | ug/l | | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 0.50 | ug/l | | | | | | | |
| 1,3,5-Trimethylbenzene | ND | 0.50 | ug/l | | | | | | | |
| Vinyl Acetate | ND | 1.0 | ug/l | | | | | | | |
| Vinyl chloride | ND | 0.50 | ug/l | | | | | | | |
| Xylenes, Total | ND | 1.5 | ug/l | | | | | | | |
| Freon 113 | ND | 2.0 | ug/l | | | | | | | |
| Surrogate: Dibromofluoromethane | 23.8 | | ug/l | 25.0 | | 95 | | | 80-130 | |
| Surrogate: Toluene-d8 | 24.9 | | ug/l | 25.0 | | 100 | | | 80-120 | |
| Surrogate: 4-Bromofluorobenzene | 22.8 | | ug/l | 25.0 | | 91 | | | 80-125 | |

TestAmerica Phoenix

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Project Manager

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Environmental Resources Management Inc.-West
 7272 E. Indian School Rd., Ste. 100
 Scottsdale, AZ 85251
 Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0741

Sampled: 09/13/11
 Received: 09/13/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | RPD RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-------|-------------|---------------|-----------|---------|-----------|-----------------|
| Batch: 11I0653 Extracted: 09/19/11 | | | | | | | | | |
| LCS Analyzed: 09/19/2011 (11I0653-BS1) | | | | | | | | | |
| Acetone | 20.5 | 10 | ug/l | 25.0 | | 82 | | 10-150 | |
| Benzene | 24.8 | 0.50 | ug/l | 25.0 | | 99 | | 80-120 | |
| Bromobenzene | 25.3 | 0.50 | ug/l | 25.0 | | 101 | | 80-120 | |
| Bromochloromethane | 23.2 | 0.50 | ug/l | 25.0 | | 93 | | 80-125 | |
| Bromodichloromethane | 21.0 | 0.50 | ug/l | 25.0 | | 84 | | 80-120 | |
| Bromoform | 23.4 | 1.0 | ug/l | 25.0 | | 94 | | 75-130 | |
| Bromomethane | 23.6 | 1.0 | ug/l | 25.0 | | 95 | | 55-150 | |
| 2-Butanone (MEK) | 18.8 | 2.5 | ug/l | 25.0 | | 75 | | 40-150 | |
| n-Butylbenzene | 23.9 | 0.50 | ug/l | 25.0 | | 96 | | 80-130 | |
| sec-Butylbenzene | 25.3 | 0.50 | ug/l | 25.0 | | 101 | | 80-125 | |
| tert-Butylbenzene | 24.8 | 0.50 | ug/l | 25.0 | | 99 | | 80-120 | |
| Carbon disulfide | 23.3 | 0.50 | ug/l | 25.0 | | 93 | | 70-140 | |
| Carbon tetrachloride | 24.9 | 0.50 | ug/l | 25.0 | | 100 | | 75-130 | |
| Chlorobenzene | 25.7 | 0.50 | ug/l | 25.0 | | 103 | | 80-120 | |
| Chloroethane | 22.0 | 1.0 | ug/l | 25.0 | | 88 | | 70-130 | |
| Chloroform | 22.2 | 0.50 | ug/l | 25.0 | | 89 | | 75-120 | |
| Chloromethane | 19.4 | 1.0 | ug/l | 25.0 | | 77 | | 60-140 | |
| 2-Chlorotoluene | 23.7 | 0.50 | ug/l | 25.0 | | 95 | | 80-120 | |
| 4-Chlorotoluene | 23.4 | 0.50 | ug/l | 25.0 | | 94 | | 80-120 | |
| Dibromochloromethane | 22.5 | 0.50 | ug/l | 25.0 | | 90 | | 80-120 | |
| 1,2-Dibromo-3-chloropropane | 21.8 | 2.5 | ug/l | 25.0 | | 87 | | 50-150 | |
| 1,2-Dibromoethane (EDB) | 23.0 | 0.50 | ug/l | 25.0 | | 92 | | 80-120 | |
| Dibromomethane | 23.8 | 0.50 | ug/l | 25.0 | | 95 | | 75-120 | |
| 1,2-Dichlorobenzene | 25.1 | 0.50 | ug/l | 25.0 | | 100 | | 80-120 | |
| 1,3-Dichlorobenzene | 26.0 | 0.50 | ug/l | 25.0 | | 104 | | 80-120 | |
| 1,4-Dichlorobenzene | 25.5 | 0.50 | ug/l | 25.0 | | 102 | | 80-120 | |
| Dichlorodifluoromethane | 19.3 | 0.50 | ug/l | 25.0 | | 77 | | 60-150 | |
| 1,1-Dichloroethane | 22.4 | 0.50 | ug/l | 25.0 | | 89 | | 70-125 | |
| 1,2-Dichloroethane | 20.6 | 0.50 | ug/l | 25.0 | | 83 | | 75-130 | |
| 1,1-Dichloroethene | 23.1 | 0.50 | ug/l | 25.0 | | 92 | | 75-125 | |
| cis-1,2-Dichloroethene | 21.8 | 0.50 | ug/l | 25.0 | | 87 | | 80-120 | |
| trans-1,2-Dichloroethene | 22.4 | 0.50 | ug/l | 25.0 | | 90 | | 80-120 | |
| 1,2-Dichloropropane | 22.6 | 0.50 | ug/l | 25.0 | | 91 | | 80-120 | |
| 1,3-Dichloropropane | 22.2 | 0.50 | ug/l | 25.0 | | 89 | | 80-120 | |
| 2,2-Dichloropropane | 21.0 | 1.0 | ug/l | 25.0 | | 84 | | 75-130 | |

TestAmerica Phoenix

Kylie Emily
 Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0741

Sampled: 09/13/11
Received: 09/13/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | Limit | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-------|-------------|---------------|-----------|--------|-----|-----------|-----------------|
| Batch: 1110653 Extracted: 09/19/11 | | | | | | | | | | |
| LCS Analyzed: 09/19/2011 (1110653-BS1) | | | | | | | | | | |
| 1,1-Dichloropropene | 22.6 | 0.50 | ug/l | 25.0 | | 90 | 75-120 | | | |
| cis-1,3-Dichloropropene | 21.9 | 0.50 | ug/l | 25.0 | | 88 | 80-120 | | | |
| trans-1,3-Dichloropropene | 20.5 | 0.50 | ug/l | 25.0 | | 82 | 80-125 | | | |
| Ethylbenzene | 24.8 | 0.50 | ug/l | 25.0 | | 99 | 80-120 | | | |
| Hexachlorobutadiene | 25.1 | 1.0 | ug/l | 25.0 | | 100 | 40-150 | | | |
| 2-Hexanone | 18.7 | 2.5 | ug/l | 25.0 | | 75 | 20-150 | | | |
| Iodomethane | 30.7 | 2.5 | ug/l | 25.0 | | 123 | 80-130 | | | |
| Isopropylbenzene | 26.4 | 0.50 | ug/l | 25.0 | | 105 | 80-130 | | | |
| p-Isopropyltoluene | 24.8 | 0.50 | ug/l | 25.0 | | 99 | 80-130 | | | |
| Methylene Chloride | 21.2 | 1.0 | ug/l | 25.0 | | 85 | 70-120 | | | |
| 4-Methyl-2-pentanone (MIBK) | 18.0 | 2.5 | ug/l | 25.0 | | 72 | 60-135 | | | |
| Methyl-tert-butyl Ether (MTBE) | 19.0 | 0.50 | ug/l | 25.0 | | 76 | 70-130 | | | |
| Naphthalene | 21.9 | 2.5 | ug/l | 25.0 | | 88 | 40-150 | | | |
| n-Propylbenzene | 25.0 | 0.50 | ug/l | 25.0 | | 100 | 75-130 | | | |
| Styrene | 22.4 | 0.50 | ug/l | 25.0 | | 90 | 80-120 | | | |
| 1,1,1,2-Tetrachloroethane | 24.7 | 0.50 | ug/l | 25.0 | | 99 | 75-125 | | | |
| 1,1,2,2-Tetrachloroethane | 22.4 | 0.50 | ug/l | 25.0 | | 90 | 80-120 | | | |
| Tetrachloroethene | 27.2 | 0.50 | ug/l | 25.0 | | 109 | 70-130 | | | |
| Toluene | 24.4 | 0.50 | ug/l | 25.0 | | 97 | 80-120 | | | |
| 1,2,3-Trichlorobenzene | 24.5 | 1.0 | ug/l | 25.0 | | 98 | 55-150 | | | |
| 1,2,4-Trichlorobenzene | 24.8 | 1.0 | ug/l | 25.0 | | 99 | 50-150 | | | |
| 1,1,1-Trichloroethane | 23.6 | 0.50 | ug/l | 25.0 | | 95 | 75-125 | | | |
| 1,1,2-Trichloroethane | 23.0 | 0.50 | ug/l | 25.0 | | 92 | 80-120 | | | |
| Trichloroethene | 24.9 | 0.50 | ug/l | 25.0 | | 99 | 80-120 | | | |
| Trichlorofluoromethane | 22.0 | 0.50 | ug/l | 25.0 | | 88 | 70-150 | | | |
| 1,2,3-Trichloropropane | 21.8 | 1.0 | ug/l | 25.0 | | 87 | 70-130 | | | |
| 1,2,4-Trimethylbenzene | 24.6 | 0.50 | ug/l | 25.0 | | 98 | 80-120 | | | |
| 1,3,5-Trimethylbenzene | 25.0 | 0.50 | ug/l | 25.0 | | 100 | 80-130 | | | |
| Vinyl Acetate | 19.7 | 1.0 | ug/l | 25.0 | | 79 | 40-150 | | | |
| Vinyl chloride | 22.6 | 0.50 | ug/l | 25.0 | | 91 | 70-130 | | | |
| Xylenes, Total | 49.8 | 1.5 | ug/l | 50.0 | | 100 | 60-140 | | | |
| Freon 113 | 23.3 | 2.0 | ug/l | 25.0 | | 93 | 60-140 | | | |
| Surrogate: Dibromofluoromethane | 23.5 | | ug/l | 25.0 | | 94 | 80-130 | | | |
| Surrogate: Toluene-d8 | 24.6 | | ug/l | 25.0 | | 98 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 24.4 | | ug/l | 25.0 | | 97 | 80-125 | | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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PUI0741 <Page 8 of 17>

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0741

Sampled: 09/13/11
Received: 09/13/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------|-----------|-------------|---------|-----------|-----------------|
| Batch: 1110653 Extracted: 09/19/11 | | | | | | | | | | |
| LCS Dup Analyzed: 09/19/2011 (1110653-BSD1) | | | | | | | | | | |
| Acetone | 20.4 | 10 | ug/l | 25.0 | | 82 | 10-150 | 0.4 | 35 | |
| Benzene | 24.0 | 0.50 | ug/l | 25.0 | | 96 | 80-120 | 3 | 15 | |
| Bromobenzene | 23.6 | 0.50 | ug/l | 25.0 | | 95 | 80-120 | 7 | 15 | |
| Bromochloromethane | 22.4 | 0.50 | ug/l | 25.0 | | 90 | 80-125 | 3 | 15 | |
| Bromodichloromethane | 19.7 | 0.50 | ug/l | 25.0 | | 79 | 80-120 | 6 | 15 | NI |
| Bromoform | 21.7 | 1.0 | ug/l | 25.0 | | 87 | 75-130 | 8 | 20 | |
| Bromomethane | 23.4 | 1.0 | ug/l | 25.0 | | 94 | 55-150 | 0.9 | 20 | |
| 2-Butanone (MEK) | 19.6 | 2.5 | ug/l | 25.0 | | 79 | 40-150 | 4 | 35 | |
| n-Butylbenzene | 22.9 | 0.50 | ug/l | 25.0 | | 92 | 80-130 | 5 | 15 | |
| sec-Butylbenzene | 23.8 | 0.50 | ug/l | 25.0 | | 95 | 80-125 | 6 | 15 | |
| tert-Butylbenzene | 23.2 | 0.50 | ug/l | 25.0 | | 93 | 80-120 | 7 | 15 | |
| Carbon disulfide | 22.7 | 0.50 | ug/l | 25.0 | | 91 | 70-140 | 3 | 15 | |
| Carbon tetrachloride | 23.9 | 0.50 | ug/l | 25.0 | | 95 | 75-130 | 4 | 20 | |
| Chlorobenzene | 25.2 | 0.50 | ug/l | 25.0 | | 101 | 80-120 | 2 | 15 | |
| Chloroethane | 20.2 | 1.0 | ug/l | 25.0 | | 81 | 70-130 | 8 | 15 | |
| Chloroform | 21.0 | 0.50 | ug/l | 25.0 | | 84 | 75-120 | 6 | 15 | |
| Chloromethane | 18.4 | 1.0 | ug/l | 25.0 | | 74 | 60-140 | 5 | 20 | |
| 2-Chlorotoluene | 22.2 | 0.50 | ug/l | 25.0 | | 89 | 80-120 | 6 | 15 | |
| 4-Chlorotoluene | 22.2 | 0.50 | ug/l | 25.0 | | 89 | 80-120 | 5 | 15 | |
| Dibromochloromethane | 21.6 | 0.50 | ug/l | 25.0 | | 86 | 80-120 | 4 | 15 | |
| 1,2-Dibromo-3-chloropropane | 19.8 | 2.5 | ug/l | 25.0 | | 79 | 50-150 | 10 | 35 | |
| 1,2-Dibromoethane (EDB) | 22.6 | 0.50 | ug/l | 25.0 | | 90 | 80-120 | 2 | 15 | |
| Dibromomethane | 22.1 | 0.50 | ug/l | 25.0 | | 88 | 75-120 | 8 | 15 | |
| 1,2-Dichlorobenzene | 23.4 | 0.50 | ug/l | 25.0 | | 94 | 80-120 | 7 | 15 | |
| 1,3-Dichlorobenzene | 24.0 | 0.50 | ug/l | 25.0 | | 96 | 80-120 | 8 | 15 | |
| 1,4-Dichlorobenzene | 23.7 | 0.50 | ug/l | 25.0 | | 95 | 80-120 | 7 | 15 | |
| Dichlorodifluoromethane | 18.6 | 0.50 | ug/l | 25.0 | | 74 | 60-150 | 4 | 30 | |
| 1,1-Dichloroethane | 22.1 | 0.50 | ug/l | 25.0 | | 88 | 70-125 | 1 | 15 | |
| 1,2-Dichloroethane | 19.5 | 0.50 | ug/l | 25.0 | | 78 | 75-130 | 6 | 15 | |
| 1,1-Dichloroethene | 23.4 | 0.50 | ug/l | 25.0 | | 94 | 75-125 | 1 | 20 | |
| cis-1,2-Dichloroethene | 20.4 | 0.50 | ug/l | 25.0 | | 82 | 80-120 | 6 | 15 | |
| trans-1,2-Dichloroethene | 22.3 | 0.50 | ug/l | 25.0 | | 89 | 80-120 | 0.4 | 15 | |
| 1,2-Dichloropropane | 21.6 | 0.50 | ug/l | 25.0 | | 86 | 80-120 | 5 | 15 | |
| 1,3-Dichloropropane | 20.0 | 0.50 | ug/l | 25.0 | | 80 | 80-120 | 11 | 15 | |
| 2,2-Dichloropropane | 20.6 | 1.0 | ug/l | 25.0 | | 83 | 75-130 | 2 | 15 | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0741

Sampled: 09/13/11
Received: 09/13/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------|-----------|-------------|-----|-----------|-----------------|
| Batch: 11I0653 Extracted: 09/19/11 | | | | | | | | | | |
| LCS Dup Analyzed: 09/19/2011 (11I0653-BSD1) | | | | | | | | | | |
| 1,1-Dichloropropene | 22.2 | 0.50 | ug/l | 25.0 | | 89 | 75-120 | 2 | 15 | |
| cis-1,3-Dichloropropene | 19.8 | 0.50 | ug/l | 25.0 | | 79 | 80-120 | 10 | 15 | NI |
| trans-1,3-Dichloropropene | 18.8 | 0.50 | ug/l | 25.0 | | 75 | 80-125 | 9 | 15 | NI |
| Ethylbenzene | 24.5 | 0.50 | ug/l | 25.0 | | 98 | 80-120 | 1 | 15 | |
| Hexachlorobutadiene | 23.5 | 1.0 | ug/l | 25.0 | | 94 | 40-150 | 6 | 35 | |
| 2-Hexanone | 17.8 | 2.5 | ug/l | 25.0 | | 71 | 20-150 | 5 | 35 | |
| Iodomethane | 31.4 | 2.5 | ug/l | 25.0 | | 126 | 80-130 | 2 | 10 | |
| Isopropylbenzene | 24.8 | 0.50 | ug/l | 25.0 | | 99 | 80-130 | 6 | 15 | |
| p-Isopropyltoluene | 23.5 | 0.50 | ug/l | 25.0 | | 94 | 80-130 | 5 | 15 | |
| Methylene Chloride | 22.8 | 1.0 | ug/l | 25.0 | | 91 | 70-120 | 7 | 15 | |
| 4-Methyl-2-pentanone (MIBK) | 16.6 | 2.5 | ug/l | 25.0 | | 66 | 60-135 | 8 | 25 | |
| Methyl-tert-butyl Ether (MTBE) | 18.2 | 0.50 | ug/l | 25.0 | | 73 | 70-130 | 4 | 20 | |
| Naphthalene | 20.9 | 2.5 | ug/l | 25.0 | | 84 | 40-150 | 5 | 30 | |
| n-Propylbenzene | 23.6 | 0.50 | ug/l | 25.0 | | 95 | 75-130 | 6 | 15 | |
| Styrene | 21.4 | 0.50 | ug/l | 25.0 | | 86 | 80-120 | 4 | 15 | |
| 1,1,1,2-Tetrachloroethane | 24.0 | 0.50 | ug/l | 25.0 | | 96 | 75-125 | 3 | 15 | |
| 1,1,2,2-Tetrachloroethane | 20.8 | 0.50 | ug/l | 25.0 | | 83 | 80-120 | 8 | 20 | |
| Tetrachloroethene | 22.2 | 0.50 | ug/l | 25.0 | | 89 | 70-130 | 20 | 20 | |
| Toluene | 23.3 | 0.50 | ug/l | 25.0 | | 93 | 80-120 | 4 | 15 | |
| 1,2,3-Trichlorobenzene | 23.5 | 1.0 | ug/l | 25.0 | | 94 | 55-150 | 4 | 35 | |
| 1,2,4-Trichlorobenzene | 22.9 | 1.0 | ug/l | 25.0 | | 91 | 50-150 | 8 | 30 | |
| 1,1,1-Trichloroethane | 22.2 | 0.50 | ug/l | 25.0 | | 89 | 75-125 | 6 | 15 | |
| 1,1,2-Trichloroethane | 20.5 | 0.50 | ug/l | 25.0 | | 82 | 80-120 | 11 | 15 | |
| Trichloroethene | 23.3 | 0.50 | ug/l | 25.0 | | 93 | 80-120 | 6 | 15 | |
| Trichlorofluoromethane | 21.9 | 0.50 | ug/l | 25.0 | | 88 | 70-150 | 0.6 | 25 | |
| 1,2,3-Trichloropropane | 19.6 | 1.0 | ug/l | 25.0 | | 79 | 70-130 | 10 | 20 | |
| 1,2,4-Trimethylbenzene | 23.1 | 0.50 | ug/l | 25.0 | | 93 | 80-120 | 6 | 15 | |
| 1,3,5-Trimethylbenzene | 23.4 | 0.50 | ug/l | 25.0 | | 93 | 80-130 | 7 | 15 | |
| Vinyl Acetate | 18.2 | 1.0 | ug/l | 25.0 | | 73 | 40-150 | 8 | 25 | |
| Vinyl chloride | 21.0 | 0.50 | ug/l | 25.0 | | 84 | 70-130 | 8 | 20 | |
| Xylenes, Total | 48.5 | 1.5 | ug/l | 50.0 | | 97 | 60-140 | 3 | 15 | |
| Freon 113 | 23.9 | 2.0 | ug/l | 25.0 | | 96 | 60-140 | 3 | 15 | |
| Surrogate: Dibromofluoromethane | 23.1 | | ug/l | 25.0 | | 93 | 80-130 | | | |
| Surrogate: Toluene-d8 | 24.3 | | ug/l | 25.0 | | 97 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 24.2 | | ug/l | 25.0 | | 97 | 80-125 | | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0741

Sampled: 09/13/11
Received: 09/13/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC. Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------------------|--------------|--------|-----------|-----------------|
| Batch: 1110653 Extracted: 09/19/11 | | | | | | | | | |
| Matrix Spike Analyzed: 09/19/2011 (1110653-MS1) | | | | | Source: PUI0739-01 | | | | |
| Acetone | 13.3 | 10 | ug/l | 25.0 | ND | 53 | 10-150 | | |
| Benzene | 23.8 | 0.50 | ug/l | 25.0 | ND | 95 | 70-125 | | |
| Bromobenzene | 23.9 | 0.50 | ug/l | 25.0 | ND | 96 | 75-120 | | |
| Bromochloromethane | 21.1 | 0.50 | ug/l | 25.0 | ND | 85 | 75-130 | | |
| Bromodichloromethane | 19.6 | 0.50 | ug/l | 25.0 | ND | 79 | 75-125 | | |
| Bromoform | 21.9 | 1.0 | ug/l | 25.0 | ND | 88 | 65-125 | | |
| Bromomethane | 24.1 | 1.0 | ug/l | 25.0 | ND | 96 | 45-150 | | |
| 2-Butanone (MEK) | 16.9 | 2.5 | ug/l | 25.0 | ND | 68 | 15-150 | | |
| n-Butylbenzene | 22.5 | 0.50 | ug/l | 25.0 | ND | 90 | 70-130 | | |
| sec-Butylbenzene | 23.8 | 0.50 | ug/l | 25.0 | ND | 95 | 70-125 | | |
| tert-Butylbenzene | 23.5 | 0.50 | ug/l | 25.0 | ND | 94 | 70-125 | | |
| Carbon disulfide | 23.1 | 0.50 | ug/l | 25.0 | ND | 92 | 65-145 | | |
| Carbon tetrachloride | 24.4 | 0.50 | ug/l | 25.0 | ND | 97 | 65-135 | | |
| Chlorobenzene | 24.8 | 0.50 | ug/l | 25.0 | ND | 99 | 75-120 | | |
| Chloroethane | 20.6 | 1.0 | ug/l | 25.0 | ND | 82 | 65-140 | | |
| Chloroform | 22.8 | 0.50 | ug/l | 25.0 | 1.18 | 86 | 70-130 | | |
| Chloromethane | 18.0 | 1.0 | ug/l | 25.0 | ND | 72 | 55-145 | | |
| 2-Chlorotoluene | 23.0 | 0.50 | ug/l | 25.0 | ND | 92 | 70-125 | | |
| 4-Chlorotoluene | 22.8 | 0.50 | ug/l | 25.0 | ND | 91 | 70-125 | | |
| Dibromochloromethane | 20.6 | 0.50 | ug/l | 25.0 | ND | 82 | 70-130 | | |
| 1,2-Dibromo-3-chloropropane | 19.6 | 2.5 | ug/l | 25.0 | ND | 79 | 50-150 | | |
| 1,2-Dibromoethane (EDB) | 21.2 | 0.50 | ug/l | 25.0 | ND | 85 | 70-125 | | |
| Dibromomethane | 20.3 | 0.50 | ug/l | 25.0 | ND | 81 | 70-120 | | |
| 1,2-Dichlorobenzene | 23.0 | 0.50 | ug/l | 25.0 | ND | 92 | 75-120 | | |
| 1,3-Dichlorobenzene | 23.8 | 0.50 | ug/l | 25.0 | ND | 95 | 75-120 | | |
| 1,4-Dichlorobenzene | 23.3 | 0.50 | ug/l | 25.0 | ND | 93 | 70-125 | | |
| Dichlorodifluoromethane | 19.0 | 0.50 | ug/l | 25.0 | ND | 76 | 60-150 | | |
| 1,1-Dichloroethane | 26.6 | 0.50 | ug/l | 25.0 | 5.41 | 85 | 70-130 | | |
| 1,2-Dichloroethane | 19.2 | 0.50 | ug/l | 25.0 | ND | 77 | 65-140 | | |
| 1,1-Dichloroethene | 32.3 | 0.50 | ug/l | 25.0 | 9.41 | 91 | 70-130 | | |
| cis-1,2-Dichloroethene | 27.4 | 0.50 | ug/l | 25.0 | 6.93 | 82 | 70-125 | | |
| trans-1,2-Dichloroethene | 22.3 | 0.50 | ug/l | 25.0 | ND | 89 | 75-125 | | |
| 1,2-Dichloropropane | 21.4 | 0.50 | ug/l | 25.0 | ND | 86 | 75-125 | | |
| 1,3-Dichloropropane | 21.4 | 0.50 | ug/l | 25.0 | ND | 86 | 70-120 | | |
| 2,2-Dichloropropane | 20.8 | 1.0 | ug/l | 25.0 | ND | 83 | 65-140 | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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PUI0741 <Page 11 of 17>

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0741

Sampled: 09/13/11
Received: 09/13/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | RPD Limits | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------------------|-----------|------------|-----------|-----------------|
| Batch: 1110653 Extracted: 09/19/11 | | | | | | | | | |
| Matrix Spike Analyzed: 09/19/2011 (1110653-MS1) | | | | | Source: PUI0739-01 | | | | |
| 1,1-Dichloropropene | 21.8 | 0.50 | ug/l | 25.0 | ND | 87 | 65-130 | | |
| cis-1,3-Dichloropropene | 20.1 | 0.50 | ug/l | 25.0 | ND | 80 | 75-130 | | |
| trans-1,3-Dichloropropene | 19.2 | 0.50 | ug/l | 25.0 | ND | 77 | 70-130 | | |
| Ethylbenzene | 24.1 | 0.50 | ug/l | 25.0 | ND | 96 | 70-125 | | |
| Hexachlorobutadiene | 17.6 | 1.0 | ug/l | 25.0 | ND | 70 | 40-150 | | |
| 2-Hexanone | 14.8 | 2.5 | ug/l | 25.0 | ND | 59 | 20-150 | | |
| Iodomethane | 32.0 | 2.5 | ug/l | 25.0 | ND | 128 | 60-150 | | |
| Isopropylbenzene | 25.4 | 0.50 | ug/l | 25.0 | ND | 102 | 75-130 | | |
| p-Isopropyltoluene | 23.4 | 0.50 | ug/l | 25.0 | ND | 93 | 70-130 | | |
| Methylene Chloride | 23.1 | 1.0 | ug/l | 25.0 | ND | 92 | 65-130 | | |
| 4-Methyl-2-pentanone (MIBK) | 15.8 | 2.5 | ug/l | 25.0 | ND | 63 | 55-135 | | |
| Methyl-tert-butyl Ether (MTBE) | 16.8 | 0.50 | ug/l | 25.0 | ND | 67 | 65-140 | | |
| Naphthalene | 17.3 | 2.5 | ug/l | 25.0 | ND | 69 | 40-150 | | |
| n-Propylbenzene | 24.3 | 0.50 | ug/l | 25.0 | ND | 97 | 70-130 | | |
| Styrene | 19.9 | 0.50 | ug/l | 25.0 | ND | 80 | 55-135 | | |
| 1,1,1,2-Tetrachloroethane | 23.4 | 0.50 | ug/l | 25.0 | ND | 93 | 70-125 | | |
| 1,1,2,2-Tetrachloroethane | 20.4 | 0.50 | ug/l | 25.0 | ND | 82 | 70-125 | | |
| Tetrachloroethene | 28.2 | 0.50 | ug/l | 25.0 | 1.94 | 105 | 65-130 | | |
| Toluene | 24.8 | 0.50 | ug/l | 25.0 | 0.370 | 98 | 70-125 | | |
| 1,2,3-Trichlorobenzene | 19.9 | 1.0 | ug/l | 25.0 | ND | 80 | 50-150 | | |
| 1,2,4-Trichlorobenzene | 20.8 | 1.0 | ug/l | 25.0 | ND | 83 | 50-150 | | |
| 1,1,1-Trichloroethane | 22.7 | 0.50 | ug/l | 25.0 | ND | 91 | 70-130 | | |
| 1,1,2-Trichloroethane | 20.6 | 0.50 | ug/l | 25.0 | ND | 83 | 75-125 | | |
| Trichloroethene | 56.9 | 0.50 | ug/l | 25.0 | 35.3 | 87 | 70-125 | | |
| Trichlorofluoromethane | 22.4 | 0.50 | ug/l | 25.0 | 0.160 | 89 | 65-150 | | |
| 1,2,3-Trichloropropane | 18.9 | 1.0 | ug/l | 25.0 | ND | 76 | 70-130 | | |
| 1,2,4-Trimethylbenzene | 23.2 | 0.50 | ug/l | 25.0 | ND | 93 | 70-125 | | |
| 1,3,5-Trimethylbenzene | 23.6 | 0.50 | ug/l | 25.0 | ND | 95 | 75-130 | | |
| Vinyl Acetate | 16.8 | 1.0 | ug/l | 25.0 | ND | 67 | 40-150 | | |
| Vinyl chloride | 21.4 | 0.50 | ug/l | 25.0 | ND | 86 | 60-140 | | |
| Xylenes, Total | 47.2 | 1.5 | ug/l | 50.0 | ND | 94 | 75-120 | | |
| Freon 113 | 24.6 | 2.0 | ug/l | 25.0 | ND | 98 | 65-140 | | |
| Surrogate: Dibromofluoromethane | 23.3 | | ug/l | 25.0 | | 93 | 80-130 | | |
| Surrogate: Toluene-d8 | 25.3 | | ug/l | 25.0 | | 101 | 80-120 | | |
| Surrogate: 4-Bromofluorobenzene | 24.1 | | ug/l | 25.0 | | 96 | 80-125 | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030
Report Number: PUI0741

Sampled: 09/13/11
Received: 09/13/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting | Units | Spike | Source | | %REC | | RPD | Data |
|---|--------|-----------|-------|-------|---------------------------|------|--------|-----|-------|------|
| | | Limit | | | Result | %REC | Limits | RPD | Limit | |
| Batch: 1110653 Extracted: 09/19/11 | | | | | | | | | | |
| Matrix Spike Dup Analyzed: 09/19/2011 (1110653-MSD1) | | | | | Source: PUI0739-01 | | | | | |
| Acetone | 19.0 | 10 | ug/l | 25.0 | ND | 76 | 10-150 | 35 | 35 | |
| Benzene | 24.8 | 0.50 | ug/l | 25.0 | ND | 99 | 70-125 | 4 | 25 | |
| Bromobenzene | 24.8 | 0.50 | ug/l | 25.0 | ND | 99 | 75-120 | 4 | 20 | |
| Bromochloromethane | 23.6 | 0.50 | ug/l | 25.0 | ND | 94 | 75-130 | 11 | 20 | |
| Bromodichloromethane | 20.7 | 0.50 | ug/l | 25.0 | ND | 83 | 75-125 | 5 | 20 | |
| Bromoform | 22.0 | 1.0 | ug/l | 25.0 | ND | 88 | 65-125 | 0.6 | 25 | |
| Bromomethane | 24.8 | 1.0 | ug/l | 25.0 | ND | 99 | 45-150 | 3 | 35 | |
| 2-Butanone (MEK) | 18.6 | 2.5 | ug/l | 25.0 | ND | 74 | 15-150 | 10 | 30 | |
| n-Butylbenzene | 22.8 | 0.50 | ug/l | 25.0 | ND | 91 | 70-130 | 1 | 30 | |
| sec-Butylbenzene | 24.3 | 0.50 | ug/l | 25.0 | ND | 97 | 70-125 | 2 | 30 | |
| tert-Butylbenzene | 24.0 | 0.50 | ug/l | 25.0 | ND | 96 | 70-125 | 2 | 25 | |
| Carbon disulfide | 25.0 | 0.50 | ug/l | 25.0 | ND | 100 | 65-145 | 8 | 25 | |
| Carbon tetrachloride | 24.0 | 0.50 | ug/l | 25.0 | ND | 96 | 65-135 | 2 | 25 | |
| Chlorobenzene | 26.2 | 0.50 | ug/l | 25.0 | ND | 105 | 75-120 | 6 | 20 | |
| Chloroethane | 21.6 | 1.0 | ug/l | 25.0 | ND | 86 | 65-140 | 5 | 25 | |
| Chloroform | 24.3 | 0.50 | ug/l | 25.0 | 1.18 | 92 | 70-130 | 6 | 20 | |
| Chloromethane | 18.6 | 1.0 | ug/l | 25.0 | ND | 74 | 55-145 | 3 | 35 | |
| 2-Chlorotoluene | 22.9 | 0.50 | ug/l | 25.0 | ND | 92 | 70-125 | 0.3 | 25 | |
| 4-Chlorotoluene | 23.0 | 0.50 | ug/l | 25.0 | ND | 92 | 70-125 | 0.5 | 25 | |
| Dibromochloromethane | 22.2 | 0.50 | ug/l | 25.0 | ND | 89 | 70-130 | 8 | 20 | |
| 1,2-Dibromo-3-chloropropane | 19.2 | 2.5 | ug/l | 25.0 | ND | 77 | 50-150 | 2 | 30 | |
| 1,2-Dibromoethane (EDB) | 22.8 | 0.50 | ug/l | 25.0 | ND | 91 | 70-125 | 7 | 20 | |
| Dibromomethane | 23.0 | 0.50 | ug/l | 25.0 | ND | 92 | 70-120 | 12 | 20 | |
| 1,2-Dichlorobenzene | 24.6 | 0.50 | ug/l | 25.0 | ND | 98 | 75-120 | 7 | 20 | |
| 1,3-Dichlorobenzene | 25.2 | 0.50 | ug/l | 25.0 | ND | 101 | 75-120 | 6 | 25 | |
| 1,4-Dichlorobenzene | 24.9 | 0.50 | ug/l | 25.0 | ND | 100 | 70-125 | 7 | 20 | |
| Dichlorodifluoromethane | 16.8 | 0.50 | ug/l | 25.0 | ND | 67 | 60-150 | 13 | 30 | |
| 1,1-Dichloroethane | 28.1 | 0.50 | ug/l | 25.0 | 5.41 | 91 | 70-130 | 5 | 20 | |
| 1,2-Dichloroethane | 20.5 | 0.50 | ug/l | 25.0 | ND | 82 | 65-140 | 7 | 20 | |
| 1,1-Dichloroethene | 31.9 | 0.50 | ug/l | 25.0 | 9.41 | 90 | 70-130 | 1 | 25 | |
| cis-1,2-Dichloroethene | 29.0 | 0.50 | ug/l | 25.0 | 6.93 | 88 | 70-125 | 6 | 20 | |
| trans-1,2-Dichloroethene | 22.9 | 0.50 | ug/l | 25.0 | ND | 92 | 75-125 | 3 | 25 | |
| 1,2-Dichloropropane | 22.8 | 0.50 | ug/l | 25.0 | ND | 91 | 75-125 | 6 | 20 | |
| 1,3-Dichloropropane | 23.4 | 0.50 | ug/l | 25.0 | ND | 93 | 70-120 | 9 | 20 | |
| 2,2-Dichloropropane | 21.4 | 1.0 | ug/l | 25.0 | ND | 85 | 65-140 | 3 | 25 | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
 7272 E. Indian School Rd., Ste. 100
 Scottsdale, AZ 85251
 Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0741

Sampled: 09/13/11
 Received: 09/13/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-------|-------------|---------------------------|------|-------------|-----|-----------|-----------------|
| Batch: 1110653 Extracted: 09/19/11 | | | | | | | | | | |
| Matrix Spike Dup Analyzed: 09/19/2011 (1110653-MSD1) | | | | | Source: PUI0739-01 | | | | | |
| 1,1-Dichloropropene | 22.5 | 0.50 | ug/l | 25.0 | ND | 90 | 65-130 | 3 | 25 | |
| cis-1,3-Dichloropropene | 22.1 | 0.50 | ug/l | 25.0 | ND | 89 | 75-130 | 10 | 20 | |
| trans-1,3-Dichloropropene | 20.7 | 0.50 | ug/l | 25.0 | ND | 83 | 70-130 | 7 | 20 | |
| Ethylbenzene | 25.4 | 0.50 | ug/l | 25.0 | ND | 101 | 70-125 | 5 | 25 | |
| Hexachlorobutadiene | 25.3 | 1.0 | ug/l | 25.0 | ND | 101 | 40-150 | 36 | 30 | R4 |
| 2-Hexanone | 17.9 | 2.5 | ug/l | 25.0 | ND | 72 | 20-150 | 19 | 30 | |
| Iodomethane | 33.4 | 2.5 | ug/l | 25.0 | ND | 134 | 60-150 | 4 | 30 | |
| Isopropylbenzene | 25.3 | 0.50 | ug/l | 25.0 | ND | 101 | 75-130 | 0.4 | 25 | |
| p-Isopropyltoluene | 23.9 | 0.50 | ug/l | 25.0 | ND | 96 | 70-130 | 2 | 30 | |
| Methylene Chloride | 23.8 | 1.0 | ug/l | 25.0 | ND | 95 | 65-130 | 3 | 20 | |
| 4-Methyl-2-pentanone (MIBK) | 17.0 | 2.5 | ug/l | 25.0 | ND | 68 | 55-135 | 8 | 25 | |
| Methyl-tert-butyl Ether (MTBE) | 18.3 | 0.50 | ug/l | 25.0 | ND | 73 | 65-140 | 9 | 25 | |
| Naphthalene | 20.3 | 2.5 | ug/l | 25.0 | ND | 81 | 40-150 | 16 | 30 | |
| n-Propylbenzene | 24.3 | 0.50 | ug/l | 25.0 | ND | 97 | 70-130 | 0.1 | 30 | |
| Styrene | 16.5 | 0.50 | ug/l | 25.0 | ND | 66 | 55-135 | 19 | 35 | |
| 1,1,1,2-Tetrachloroethane | 25.5 | 0.50 | ug/l | 25.0 | ND | 102 | 70-125 | 9 | 20 | |
| 1,1,2,2-Tetrachloroethane | 21.3 | 0.50 | ug/l | 25.0 | ND | 85 | 70-125 | 4 | 25 | |
| Tetrachloroethene | 28.8 | 0.50 | ug/l | 25.0 | 1.94 | 107 | 65-130 | 2 | 25 | |
| Toluene | 25.8 | 0.50 | ug/l | 25.0 | 0.370 | 102 | 70-125 | 4 | 20 | |
| 1,2,3-Trichlorobenzene | 24.3 | 1.0 | ug/l | 25.0 | ND | 97 | 50-150 | 20 | 35 | |
| 1,2,4-Trichlorobenzene | 24.8 | 1.0 | ug/l | 25.0 | ND | 99 | 50-150 | 17 | 25 | |
| 1,1,1-Trichloroethane | 23.1 | 0.50 | ug/l | 25.0 | ND | 92 | 70-130 | 2 | 25 | |
| 1,1,2-Trichloroethane | 22.3 | 0.50 | ug/l | 25.0 | ND | 89 | 75-125 | 8 | 20 | |
| Trichloroethene | 56.7 | 0.50 | ug/l | 25.0 | 35.3 | 86 | 70-125 | 0.4 | 25 | |
| Trichlorofluoromethane | 21.1 | 0.50 | ug/l | 25.0 | 0.160 | 84 | 65-150 | 6 | 25 | |
| 1,2,3-Trichloropropane | 18.3 | 1.0 | ug/l | 25.0 | ND | 73 | 70-130 | 3 | 25 | |
| 1,2,4-Trimethylbenzene | 22.4 | 0.50 | ug/l | 25.0 | ND | 90 | 70-125 | 3 | 30 | |
| 1,3,5-Trimethylbenzene | 23.7 | 0.50 | ug/l | 25.0 | ND | 95 | 75-130 | 0.3 | 25 | |
| Vinyl Acetate | 17.0 | 1.0 | ug/l | 25.0 | ND | 68 | 40-150 | 0.9 | 30 | |
| Vinyl chloride | 21.2 | 0.50 | ug/l | 25.0 | ND | 85 | 60-140 | 1 | 25 | |
| Xylenes, Total | 50.6 | 1.5 | ug/l | 50.0 | ND | 101 | 75-120 | 7 | 15 | |
| Freon 113 | 22.3 | 2.0 | ug/l | 25.0 | ND | 89 | 65-140 | 10 | 20 | |
| Surrogate: Dibromofluoromethane | 23.5 | | ug/l | 25.0 | | 94 | 80-130 | | | |
| Surrogate: Toluene-d8 | 25.8 | | ug/l | 25.0 | | 103 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 24.9 | | ug/l | 25.0 | | 100 | 80-125 | | | |

TestAmerica Phoenix

Kylie Emily
 Project Manager

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Environmental Resources Management Inc.-West
 7272 E. Indian School Rd., Ste. 100
 Scottsdale, AZ 85251
 Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0741

Sampled: 09/13/11
 Received: 09/13/11

METHOD BLANK/QC DATA

1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-----------------|
| Batch: 11I0590 Extracted: 09/16/11 | | | | | | | | | | |
| Blank Analyzed: 09/18/2011 (11I0590-BLK1) | | | | | | | | | | |
| 1,4-Dioxane | ND | 1.0 | ug/l | | | | | | | |
| Surrogate: 1,4-Dioxane-d8 | 15.0 | | ug/l | 20.0 | | 75 | 38.6-88.3 | | | |
| Surrogate: Nitrobenzene-d5 | 18.9 | | ug/l | 20.0 | | 95 | 59.9-120 | | | |
| LCS Analyzed: 09/18/2011 (11I0590-BS1) | | | | | | | | | | |
| 1,4-Dioxane | 20.2 | 1.0 | ug/l | 20.0 | | 101 | 80-120 | | | Q8 |
| Surrogate: 1,4-Dioxane-d8 | 15.0 | | ug/l | 20.0 | | 75 | 32-57 | | | S10 |
| Surrogate: Nitrobenzene-d5 | 20.0 | | ug/l | 20.0 | | 100 | 38-125 | | | |
| LCS Dup Analyzed: 09/18/2011 (11I0590-BSD1) | | | | | | | | | | |
| 1,4-Dioxane | 20.2 | 1.0 | ug/l | 20.0 | | 101 | 80-120 | 0.2 | 25 | Q8 |
| Surrogate: 1,4-Dioxane-d8 | 15.7 | | ug/l | 20.0 | | 79 | 32-57 | | | S10 |
| Surrogate: Nitrobenzene-d5 | 20.6 | | ug/l | 20.0 | | 103 | 38-125 | | | |

TestAmerica Phoenix

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7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0741

Sampled: 09/13/11

Received: 09/13/11

DATA QUALIFIERS AND DEFINITIONS

- NI** See case narrative.
- Q8** Insufficient sample received to meet method QC requirements. Batch QC requirements satisfy ADEQ policies 0154.000 and 0155.000.
- R4** MS/MSD RPD exceeded the method acceptance limit. Recovery met acceptance criteria.
- S10** Surrogate recovery was above laboratory and method acceptance limits. See case narrative.
- ND** Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
- RPD** Relative Percent Difference

TestAmerica Phoenix

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PUI0741 <Page 16 of 17>

Environmental Resources Management Inc.-West
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Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0741

Sampled: 09/13/11
Received: 09/13/11

Certification Summary

TestAmerica Phoenix

| Method | Matrix | Nelac | Arizona |
|-----------|--------|-------|---------|
| EPA 8260B | Water | X | X |
| EPA 8270C | Water | | X |

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for TestAmerica may be obtained by contacting the laboratory or visiting our website at www.testamericainc.com

TestAmerica Phoenix

Kylie Emily
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

Environmental Resources Management

CHAIN OF CUSTODY RECORD

PUI0741

NO: 3045

7272 E. Indian School Road, Suite 100 • Scottsdale, AZ • 85251 • (480) 998-2401 • FAX (480) 998-2106

Page 1 of 1

| PROJECT # | | PROJECT NAME | | # OF CONTAINERS | MATRIX | | | REQUESTED PARAMETERS | | | | | | | | | | | | | |
|---|---------|--------------------|------|-----------------|--------------------|--------------|-----------|--|------|----------------------------------|---|-------------|---|--|--|----------------------|--|--|--|--|--|
| 0096498.030 | | 003 | | | SOIL | WATER | GAS | VOC (82608) 14-Disinfectant (8270c) | | | | | | | | | | | | | |
| SAMPLER: (PRINT NAME) | | (SIGNATURE) | | | | | | | | | | | | | | | | | | | |
| Adam Nagle | | <i>[Signature]</i> | | | | | | | | | | | | | | | | | | | |
| RECEIVING LABORATORY | | | | | | | | | | | | | | | | | | | | | |
| Test America Phoenix, AZ | | | | | | | | | | | | | | | | | | | | | |
| SAMPLE I.D. | DATE | TIME | COMP | GRAB | SAMPLING METHOD | PRESERVATIVE | ICE (Y/N) | SAMPLING VOLUME | | | | | | | | | | | | | |
| 003-3M2-M-091311 | 9/13/11 | 1523 | | X | Pump | HC1 | Y | 40ml | 3 | 2 | X | X | X | | | | | | | | |
| RELINQUISHED BY (SIGNATURE) | | | DATE | TIME | RECEIVED BY | | | DATE | TIME | FIELD REMARKS | | | | | | | | | | | |
| <i>[Signature]</i> / ERM | | | 9/13 | 1700 | <i>[Signature]</i> | | | | | Level III Analysis 3.6°C 24°C | | | | | | | | | | | |
| RELINQUISHED BY (SIGNATURE) | | | DATE | TIME | RECEIVED BY | | | DATE | TIME | | | | | | | | | | | | |
| <i>[Signature]</i> | | | | | <i>[Signature]</i> | | | 9/13/11 | 1700 | | | | | | | | | | | | |
| REMARKS ON SAMPLE RECEIPT | | | | | | | | | | | | ERM REMARKS | | | | SEND REPORT TO: | | | | | |
| <input type="checkbox"/> BOTTLE INTACT <input type="checkbox"/> CUSTODY SEALS <input type="checkbox"/> CHILLED <input type="checkbox"/> PRESERVED <input type="checkbox"/> SEALS INTACT <input type="checkbox"/> SEE REMARKS | | | | | | | | | | | | | | | | Jason.Hilker@erm.com | | | | | |

LABORATORY REPORT

Prepared For: Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project: 0096498.030

Sampled: 09/14/11
Received: 09/14/11
Revised: 11/21/11 12:11

NELAP #01109CA Arizona DHS#AZ0728

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica. The Chain of Custody, 1 page, is included and is an integral part of this report.

This entire report was reviewed and approved for release.

CASE NARRATIVE

LABORATORY ID

PUI0849-01
PUI0849-02

CLIENT ID

OU3-11S-S-091411
OU3-5SR-S-091411

MATRIX

Water
Water

SAMPLE RECEIPT: Samples were received intact, at 3°C, on ice and with chain of custody documentation.

HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the TestAmerica Sample Acceptance Policy unless otherwise noted in the report.

PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

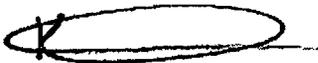
QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.
N1 = Laboratory Control Sample Duplicate recovered low and outside of client acceptance limits for Bromodichloromethane, cis-1,3-Dichloropropene and trans-1,3-Dichloropropene. Recovery was within the laboratory acceptance limits. All associated samples are non-detect for this compound and therefore should not be impacted.
S10-Surrogate recovery was above acceptance limits.

COMMENTS: No significant observations were made.

SUBCONTRACTED: No analyses were subcontracted to an outside laboratory.

ADDITIONAL INFORMATION: Revised report to relect QAPP limits.

Reviewed By:



TestAmerica Phoenix

Kylie Emily
Project Manager

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030

Report Number: PUI0849

Sampled: 09/14/11
Received: 09/14/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0849-01 (OU3-11S-S-091411 - Water) | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| Acetone | EPA 8260B | 11I0653 | 10 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Benzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Bromobenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Bromochloromethane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Bromodichloromethane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | N1 |
| Bromoform | EPA 8260B | 11I0653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Bromomethane | EPA 8260B | 11I0653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 2-Butanone (MEK) | EPA 8260B | 11I0653 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| n-Butylbenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| sec-Butylbenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| tert-Butylbenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Carbon disulfide | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Carbon tetrachloride | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Chlorobenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Chloroethane | EPA 8260B | 11I0653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Chloroform | EPA 8260B | 11I0653 | 0.50 | 0.56 | 1 | 9/19/2011 | 9/19/2011 | |
| Chloromethane | EPA 8260B | 11I0653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 2-Chlorotoluene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 4-Chlorotoluene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Dibromochloromethane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dibromo-3-chloropropane | EPA 8260B | 11I0653 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dibromoethane (EDB) | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Dibromomethane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dichlorobenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,3-Dichlorobenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,4-Dichlorobenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Dichlorodifluoromethane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1-Dichloroethane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dichloroethane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1-Dichloroethene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| cis-1,2-Dichloroethene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| trans-1,2-Dichloroethene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dichloropropane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,3-Dichloropropane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 2,2-Dichloropropane | EPA 8260B | 11I0653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1-Dichloropropene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| cis-1,3-Dichloropropene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | N1 |
| trans-1,3-Dichloropropene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | N1 |
| Ethylbenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Hexachlorobutadiene | EPA 8260B | 11I0653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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PUI0849 <Page 2 of 20>

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030

Report Number: PUI0849

Sampled: 09/14/11
Received: 09/14/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0849-01 (OU3-11S-S-091411 - Water) - cont. | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| 2-Hexanone | EPA 8260B | 1110653 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Iodomethane | EPA 8260B | 1110653 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Isopropylbenzene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| p-Isopropyltoluene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Methylene Chloride | EPA 8260B | 1110653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 4-Methyl-2-pentanone (MIBK) | EPA 8260B | 1110653 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Methyl-tert-butyl Ether (MTBE) | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Naphthalene | EPA 8260B | 1110653 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| n-Propylbenzene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Styrene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1,1,2-Tetrachloroethane | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1,2,2-Tetrachloroethane | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Tetrachloroethane | EPA 8260B | 1110653 | 0.50 | 1.0 | 1 | 9/19/2011 | 9/19/2011 | |
| Toluene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2,3-Trichlorobenzene | EPA 8260B | 1110653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2,4-Trichlorobenzene | EPA 8260B | 1110653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1,1-Trichloroethane | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1,2-Trichloroethane | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Trichloroethene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Trichlorofluoromethane | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2,3-Trichloropropane | EPA 8260B | 1110653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2,4-Trimethylbenzene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,3,5-Trimethylbenzene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Vinyl Acetate | EPA 8260B | 1110653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Vinyl chloride | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Xylenes, Total | EPA 8260B | 1110653 | 1.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Freon 113 | EPA 8260B | 1110653 | 2.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Surrogate: Dibromofluoromethane (80-130%) | | | | 96 % | | | | |
| Surrogate: Toluene-d8 (80-120%) | | | | 101 % | | | | |
| Surrogate: 4-Bromofluorobenzene (80-125%) | | | | 93 % | | | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030

Report Number: PUI0849

Sampled: 09/14/11
Received: 09/14/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0849-02 (OU3-5SR-S-091411 - Water) | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| Acetone | EPA 8260B | 11I0653 | 10 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Benzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Bromobenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Bromochloromethane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Bromodichloromethane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | N1 |
| Bromoform | EPA 8260B | 11I0653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Bromomethane | EPA 8260B | 11I0653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 2-Butanone (MEK) | EPA 8260B | 11I0653 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| n-Butylbenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| sec-Butylbenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| tert-Butylbenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Carbon disulfide | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Carbon tetrachloride | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Chlorobenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Chloroethane | EPA 8260B | 11I0653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Chloroform | EPA 8260B | 11I0653 | 0.50 | 3.1 | 1 | 9/19/2011 | 9/19/2011 | |
| Chloromethane | EPA 8260B | 11I0653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 2-Chlorotoluene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 4-Chlorotoluene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Dibromochloromethane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dibromo-3-chloropropane | EPA 8260B | 11I0653 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dibromoethane (EDB) | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Dibromomethane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dichlorobenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,3-Dichlorobenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,4-Dichlorobenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Dichlorodifluoromethane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1-Dichloroethane | EPA 8260B | 11I0653 | 0.50 | 3.3 | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dichloroethane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1-Dichloroethene | EPA 8260B | 11I0653 | 0.50 | 3.8 | 1 | 9/19/2011 | 9/19/2011 | |
| cis-1,2-Dichloroethene | EPA 8260B | 11I0653 | 0.50 | 5.1 | 1 | 9/19/2011 | 9/19/2011 | |
| trans-1,2-Dichloroethene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dichloropropane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,3-Dichloropropane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 2,2-Dichloropropane | EPA 8260B | 11I0653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1-Dichloropropene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| cis-1,3-Dichloropropene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | N1 |
| trans-1,3-Dichloropropene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | N1 |
| Ethylbenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Hexachlorobutadiene | EPA 8260B | 11I0653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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PUI0849 <Page 4 of 20>

Environmental Resources Management Inc.-West
 7272 E. Indian School Rd., Ste. 100
 Scottsdale, AZ 85251
 Attention: Jason Hilker

Project ID: 0096498.030

Report Number: PUI0849

Sampled: 09/14/11
 Received: 09/14/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0849-02 (OU3-SSR-S-091411 - Water) - cont. | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| 2-Hexanone | EPA 8260B | 1110653 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Iodomethane | EPA 8260B | 1110653 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Isopropylbenzene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| p-Isopropyltoluene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Methylene Chloride | EPA 8260B | 1110653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 4-Methyl-2-pentanone (MIBK) | EPA 8260B | 1110653 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Methyl-tert-butyl Ether (MTBE) | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Naphthalene | EPA 8260B | 1110653 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| n-Propylbenzene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Styrene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1,1,2-Tetrachloroethane | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1,2,2-Tetrachloroethane | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Tetrachloroethene | EPA 8260B | 1110653 | 0.50 | 1.1 | 1 | 9/19/2011 | 9/19/2011 | |
| Toluene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2,3-Trichlorobenzene | EPA 8260B | 1110653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2,4-Trichlorobenzene | EPA 8260B | 1110653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1,1-Trichloroethane | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1,2-Trichloroethane | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Trichloroethene | EPA 8260B | 1110653 | 0.50 | 23 | 1 | 9/19/2011 | 9/19/2011 | |
| Trichlorofluoromethane | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2,3-Trichloropropane | EPA 8260B | 1110653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2,4-Trimethylbenzene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,3,5-Trimethylbenzene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Vinyl Acetate | EPA 8260B | 1110653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Vinyl chloride | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Xylenes, Total | EPA 8260B | 1110653 | 1.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Freon 113 | EPA 8260B | 1110653 | 2.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Surrogate: Dibromofluoromethane (80-130%) | | | | 94 % | | | | |
| Surrogate: Toluene-d8 (80-120%) | | | | 102 % | | | | |
| Surrogate: 4-Bromofluorobenzene (80-125%) | | | | 92 % | | | | |

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Kylie Emily
 Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030

Report Number: PUI0849

Sampled: 09/14/11
Received: 09/14/11

1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0849-01 (OU3-11S-S-091411 - Water) | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| 1,4-Dioxane | EPA 8270C | 11I0590 | 1.0 | ND | 1 | 9/16/2011 | 9/18/2011 | |
| Surrogate: 1,4-Dioxane-d8 (38.6-88.3%) | | | | 73 % | | | | |
| Surrogate: Nitrobenzene-d5 (59.9-120%) | | | | 102 % | | | | |
| Sample ID: PUI0849-02 (OU3-5SR-S-091411 - Water) | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| 1,4-Dioxane | EPA 8270C | 11I0614 | 1.0 | 1.6 | 1 | 9/17/2011 | 9/19/2011 | |
| Surrogate: 1,4-Dioxane-d8 (38.6-88.3%) | | | | 65 % | | | | |
| Surrogate: Nitrobenzene-d5 (59.9-120%) | | | | 83 % | | | | |

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PUI0849 <Page 6 of 20>

Environmental Resources Management Inc.-West
 7272 E. Indian School Rd., Ste. 100
 Scottsdale, AZ 85251
 Attention: Jason Hilker

Project ID: 0096498.030

Report Number: PUI0849

Sampled: 09/14/11
 Received: 09/14/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | Limit | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------|-----------|-------|-----|-----------|-----------------|
| Batch: 11I0653 Extracted: 09/19/11 | | | | | | | | | | |
| Blank Analyzed: 09/19/2011 (11I0653-BLK1) | | | | | | | | | | |
| Acetone | ND | 10 | ug/l | | | | | | | |
| Benzene | ND | 0.50 | ug/l | | | | | | | |
| Bromobenzene | ND | 0.50 | ug/l | | | | | | | |
| Bromochloromethane | ND | 0.50 | ug/l | | | | | | | |
| Bromodichloromethane | ND | 0.50 | ug/l | | | | | | | |
| Bromoform | ND | 1.0 | ug/l | | | | | | | |
| Bromomethane | ND | 1.0 | ug/l | | | | | | | |
| 2-Butanone (MEK) | ND | 2.5 | ug/l | | | | | | | |
| n-Butylbenzene | ND | 0.50 | ug/l | | | | | | | |
| sec-Butylbenzene | ND | 0.50 | ug/l | | | | | | | |
| tert-Butylbenzene | ND | 0.50 | ug/l | | | | | | | |
| Carbon disulfide | ND | 0.50 | ug/l | | | | | | | |
| Carbon tetrachloride | ND | 0.50 | ug/l | | | | | | | |
| Chlorobenzene | ND | 0.50 | ug/l | | | | | | | |
| Chloroethane | ND | 1.0 | ug/l | | | | | | | |
| Chloroform | ND | 0.50 | ug/l | | | | | | | |
| Chloromethane | ND | 1.0 | ug/l | | | | | | | |
| 2-Chlorotoluene | ND | 0.50 | ug/l | | | | | | | |
| 4-Chlorotoluene | ND | 0.50 | ug/l | | | | | | | |
| Dibromochloromethane | ND | 0.50 | ug/l | | | | | | | |
| 1,2-Dibromo-3-chloropropane | ND | 2.5 | ug/l | | | | | | | |
| 1,2-Dibromoethane (EDB) | ND | 0.50 | ug/l | | | | | | | |
| Dibromomethane | ND | 0.50 | ug/l | | | | | | | |
| 1,2-Dichlorobenzene | ND | 0.50 | ug/l | | | | | | | |
| 1,3-Dichlorobenzene | ND | 0.50 | ug/l | | | | | | | |
| 1,4-Dichlorobenzene | ND | 0.50 | ug/l | | | | | | | |
| Dichlorodifluoromethane | ND | 0.50 | ug/l | | | | | | | |
| 1,1-Dichloroethane | ND | 0.50 | ug/l | | | | | | | |
| 1,2-Dichloroethane | ND | 0.50 | ug/l | | | | | | | |
| 1,1-Dichloroethene | ND | 0.50 | ug/l | | | | | | | |
| cis-1,2-Dichloroethene | ND | 0.50 | ug/l | | | | | | | |
| trans-1,2-Dichloroethene | ND | 0.50 | ug/l | | | | | | | |
| 1,2-Dichloropropane | ND | 0.50 | ug/l | | | | | | | |
| 1,3-Dichloropropane | ND | 0.50 | ug/l | | | | | | | |
| 2,2-Dichloropropane | ND | 1.0 | ug/l | | | | | | | |

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030

Report Number: PUI0849

Sampled: 09/14/11
Received: 09/14/11

METHOD BLANK/OC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------|-----------|-------------|---------|-----------|-----------------|
| Batch: 1110653 Extracted: 09/19/11 | | | | | | | | | | |
| Blank Analyzed: 09/19/2011 (1110653-BLK1) | | | | | | | | | | |
| 1,1-Dichloropropene | ND | 0.50 | ug/l | | | | | | | |
| cis-1,3-Dichloropropene | ND | 0.50 | ug/l | | | | | | | |
| trans-1,3-Dichloropropene | ND | 0.50 | ug/l | | | | | | | |
| Ethylbenzene | ND | 0.50 | ug/l | | | | | | | |
| Hexachlorobutadiene | ND | 1.0 | ug/l | | | | | | | |
| 2-Hexanone | ND | 2.5 | ug/l | | | | | | | |
| Iodomethane | ND | 2.5 | ug/l | | | | | | | |
| Isopropylbenzene | ND | 0.50 | ug/l | | | | | | | |
| p-Isopropyltoluene | ND | 0.50 | ug/l | | | | | | | |
| Methylene Chloride | ND | 1.0 | ug/l | | | | | | | |
| 4-Methyl-2-pentanone (MIBK) | ND | 2.5 | ug/l | | | | | | | |
| Methyl-tert-butyl Ether (MTBE) | ND | 0.50 | ug/l | | | | | | | |
| Naphthalene | ND | 2.5 | ug/l | | | | | | | |
| n-Propylbenzene | ND | 0.50 | ug/l | | | | | | | |
| Styrene | ND | 0.50 | ug/l | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 0.50 | ug/l | | | | | | | |
| 1,1,2,2-Tetrachloroethane | ND | 0.50 | ug/l | | | | | | | |
| Tetrachloroethene | ND | 0.50 | ug/l | | | | | | | |
| Toluene | ND | 0.50 | ug/l | | | | | | | |
| 1,2,3-Trichlorobenzene | ND | 1.0 | ug/l | | | | | | | |
| 1,2,4-Trichlorobenzene | ND | 1.0 | ug/l | | | | | | | |
| 1,1,1-Trichloroethane | ND | 0.50 | ug/l | | | | | | | |
| 1,1,2-Trichloroethane | ND | 0.50 | ug/l | | | | | | | |
| Trichloroethene | ND | 0.50 | ug/l | | | | | | | |
| Trichlorofluoromethane | ND | 0.50 | ug/l | | | | | | | |
| 1,2,3-Trichloropropane | ND | 1.0 | ug/l | | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 0.50 | ug/l | | | | | | | |
| 1,3,5-Trimethylbenzene | ND | 0.50 | ug/l | | | | | | | |
| Vinyl Acetate | ND | 1.0 | ug/l | | | | | | | |
| Vinyl chloride | ND | 0.50 | ug/l | | | | | | | |
| Xylenes, Total | ND | 1.5 | ug/l | | | | | | | |
| Freon 113 | ND | 2.0 | ug/l | | | | | | | |
| Surrogate: Dibromofluoromethane | 23.8 | | ug/l | 25.0 | | 95 | 80-130 | | | |
| Surrogate: Toluene-d8 | 24.9 | | ug/l | 25.0 | | 100 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 22.8 | | ug/l | 25.0 | | 91 | 80-125 | | | |

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030

Report Number: PUI0849

Sampled: 09/14/11
Received: 09/14/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | Limit | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-------|-------------|---------------|-----------|--------|-----|-----------|-----------------|
| Batch: 1110653 Extracted: 09/19/11 | | | | | | | | | | |
| LCS Analyzed: 09/19/2011 (1110653-BS1) | | | | | | | | | | |
| Acetone | 20.5 | 10 | ug/l | 25.0 | | 82 | 10-150 | | | |
| Benzene | 24.8 | 0.50 | ug/l | 25.0 | | 99 | 80-120 | | | |
| Bromobenzene | 25.3 | 0.50 | ug/l | 25.0 | | 101 | 80-120 | | | |
| Bromochloromethane | 23.2 | 0.50 | ug/l | 25.0 | | 93 | 80-125 | | | |
| Bromodichloromethane | 21.0 | 0.50 | ug/l | 25.0 | | 84 | 80-120 | | | |
| Bromoform | 23.4 | 1.0 | ug/l | 25.0 | | 94 | 75-130 | | | |
| Bromomethane | 23.6 | 1.0 | ug/l | 25.0 | | 95 | 55-150 | | | |
| 2-Butanone (MEK) | 18.8 | 2.5 | ug/l | 25.0 | | 75 | 40-150 | | | |
| n-Butylbenzene | 23.9 | 0.50 | ug/l | 25.0 | | 96 | 80-130 | | | |
| sec-Butylbenzene | 25.3 | 0.50 | ug/l | 25.0 | | 101 | 80-125 | | | |
| tert-Butylbenzene | 24.8 | 0.50 | ug/l | 25.0 | | 99 | 80-120 | | | |
| Carbon disulfide | 23.3 | 0.50 | ug/l | 25.0 | | 93 | 70-140 | | | |
| Carbon tetrachloride | 24.9 | 0.50 | ug/l | 25.0 | | 100 | 75-130 | | | |
| Chlorobenzene | 25.7 | 0.50 | ug/l | 25.0 | | 103 | 80-120 | | | |
| Chloroethane | 22.0 | 1.0 | ug/l | 25.0 | | 88 | 70-130 | | | |
| Chloroform | 22.2 | 0.50 | ug/l | 25.0 | | 89 | 75-120 | | | |
| Chloromethane | 19.4 | 1.0 | ug/l | 25.0 | | 77 | 60-140 | | | |
| 2-Chlorotoluene | 23.7 | 0.50 | ug/l | 25.0 | | 95 | 80-120 | | | |
| 4-Chlorotoluene | 23.4 | 0.50 | ug/l | 25.0 | | 94 | 80-120 | | | |
| Dibromochloromethane | 22.5 | 0.50 | ug/l | 25.0 | | 90 | 80-120 | | | |
| 1,2-Dibromo-3-chloropropane | 21.8 | 2.5 | ug/l | 25.0 | | 87 | 50-150 | | | |
| 1,2-Dibromoethane (EDB) | 23.0 | 0.50 | ug/l | 25.0 | | 92 | 80-120 | | | |
| Dibromomethane | 23.8 | 0.50 | ug/l | 25.0 | | 95 | 75-120 | | | |
| 1,2-Dichlorobenzene | 25.1 | 0.50 | ug/l | 25.0 | | 100 | 80-120 | | | |
| 1,3-Dichlorobenzene | 26.0 | 0.50 | ug/l | 25.0 | | 104 | 80-120 | | | |
| 1,4-Dichlorobenzene | 25.5 | 0.50 | ug/l | 25.0 | | 102 | 80-120 | | | |
| Dichlorodifluoromethane | 19.3 | 0.50 | ug/l | 25.0 | | 77 | 60-150 | | | |
| 1,1-Dichloroethane | 22.4 | 0.50 | ug/l | 25.0 | | 89 | 70-125 | | | |
| 1,2-Dichloroethane | 20.6 | 0.50 | ug/l | 25.0 | | 83 | 75-130 | | | |
| 1,1-Dichloroethene | 23.1 | 0.50 | ug/l | 25.0 | | 92 | 75-125 | | | |
| cis-1,2-Dichloroethene | 21.8 | 0.50 | ug/l | 25.0 | | 87 | 80-120 | | | |
| trans-1,2-Dichloroethene | 22.4 | 0.50 | ug/l | 25.0 | | 90 | 80-120 | | | |
| 1,2-Dichloropropane | 22.6 | 0.50 | ug/l | 25.0 | | 91 | 80-120 | | | |
| 1,3-Dichloropropane | 22.2 | 0.50 | ug/l | 25.0 | | 89 | 80-120 | | | |
| 2,2-Dichloropropane | 21.0 | 1.0 | ug/l | 25.0 | | 84 | 75-130 | | | |

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Kylie Emily
Project Manager

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| | | |
|--|---|---|
| Environmental Resources Management Inc.-West 7272 E. Indian School Rd., Ste. 100 Scottsdale, AZ 85251 Attention: Jason Hilker | Project ID: 0096498.030 Report Number: PUI0849 | Sampled: 09/14/11 Received: 09/14/11 |
|--|---|---|

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-----------------|
| Batch: 1110653 Extracted: 09/19/11 | | | | | | | | | | |
| LCS Analyzed: 09/19/2011 (1110653-BS1) | | | | | | | | | | |
| 1,1-Dichloropropene | 22.6 | 0.50 | ug/l | 25.0 | | 90 | 75-120 | | | |
| cis-1,3-Dichloropropene | 21.9 | 0.50 | ug/l | 25.0 | | 88 | 80-120 | | | |
| trans-1,3-Dichloropropene | 20.5 | 0.50 | ug/l | 25.0 | | 82 | 80-125 | | | |
| Ethylbenzene | 24.8 | 0.50 | ug/l | 25.0 | | 99 | 80-120 | | | |
| Hexachlorobutadiene | 25.1 | 1.0 | ug/l | 25.0 | | 100 | 40-150 | | | |
| 2-Hexanone | 18.7 | 2.5 | ug/l | 25.0 | | 75 | 20-150 | | | |
| Iodomethane | 30.7 | 2.5 | ug/l | 25.0 | | 123 | 80-130 | | | |
| Isopropylbenzene | 26.4 | 0.50 | ug/l | 25.0 | | 105 | 80-130 | | | |
| p-Isopropyltoluene | 24.8 | 0.50 | ug/l | 25.0 | | 99 | 80-130 | | | |
| Methylene Chloride | 21.2 | 1.0 | ug/l | 25.0 | | 85 | 70-120 | | | |
| 4-Methyl-2-pentanone (MIBK) | 18.0 | 2.5 | ug/l | 25.0 | | 72 | 60-135 | | | |
| Methyl-tert-butyl Ether (MTBE) | 19.0 | 0.50 | ug/l | 25.0 | | 76 | 70-130 | | | |
| Naphthalene | 21.9 | 2.5 | ug/l | 25.0 | | 88 | 40-150 | | | |
| n-Propylbenzene | 25.0 | 0.50 | ug/l | 25.0 | | 100 | 75-130 | | | |
| Styrene | 22.4 | 0.50 | ug/l | 25.0 | | 90 | 80-120 | | | |
| 1,1,1,2-Tetrachloroethane | 24.7 | 0.50 | ug/l | 25.0 | | 99 | 75-125 | | | |
| 1,1,2,2-Tetrachloroethane | 22.4 | 0.50 | ug/l | 25.0 | | 90 | 80-120 | | | |
| Tetrachloroethene | 27.2 | 0.50 | ug/l | 25.0 | | 109 | 70-130 | | | |
| Toluene | 24.4 | 0.50 | ug/l | 25.0 | | 97 | 80-120 | | | |
| 1,2,3-Trichlorobenzene | 24.5 | 1.0 | ug/l | 25.0 | | 98 | 55-150 | | | |
| 1,2,4-Trichlorobenzene | 24.8 | 1.0 | ug/l | 25.0 | | 99 | 50-150 | | | |
| 1,1,1-Trichloroethane | 23.6 | 0.50 | ug/l | 25.0 | | 95 | 75-125 | | | |
| 1,1,2-Trichloroethane | 23.0 | 0.50 | ug/l | 25.0 | | 92 | 80-120 | | | |
| Trichloroethene | 24.9 | 0.50 | ug/l | 25.0 | | 99 | 80-120 | | | |
| Trichlorofluoromethane | 22.0 | 0.50 | ug/l | 25.0 | | 88 | 70-150 | | | |
| 1,2,3-Trichloropropane | 21.8 | 1.0 | ug/l | 25.0 | | 87 | 70-130 | | | |
| 1,2,4-Trimethylbenzene | 24.6 | 0.50 | ug/l | 25.0 | | 98 | 80-120 | | | |
| 1,3,5-Trimethylbenzene | 25.0 | 0.50 | ug/l | 25.0 | | 100 | 80-130 | | | |
| Vinyl Acetate | 19.7 | 1.0 | ug/l | 25.0 | | 79 | 40-150 | | | |
| Vinyl chloride | 22.6 | 0.50 | ug/l | 25.0 | | 91 | 70-130 | | | |
| Xylenes, Total | 49.8 | 1.5 | ug/l | 50.0 | | 100 | 60-140 | | | |
| Freon 113 | 23.3 | 2.0 | ug/l | 25.0 | | 93 | 60-140 | | | |
| Surrogate: Dibromofluoromethane | 23.5 | | ug/l | 25.0 | | 94 | 80-130 | | | |
| Surrogate: Toluene-d8 | 24.6 | | ug/l | 25.0 | | 98 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 24.4 | | ug/l | 25.0 | | 97 | 80-125 | | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030

Report Number: PUI0849

Sampled: 09/14/11
Received: 09/14/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------|-----------|-------------|-----|-----------|-----------------|
| Batch: 1110653 Extracted: 09/19/11 | | | | | | | | | | |
| LCS Dup Analyzed: 09/19/2011 (1110653-BSD1) | | | | | | | | | | |
| Acetone | 20.4 | 10 | ug/l | 25.0 | | 82 | 10-150 | 0.4 | 35 | |
| Benzene | 24.0 | 0.50 | ug/l | 25.0 | | 96 | 80-120 | 3 | 15 | |
| Bromobenzene | 23.6 | 0.50 | ug/l | 25.0 | | 95 | 80-120 | 7 | 15 | |
| Bromochloromethane | 22.4 | 0.50 | ug/l | 25.0 | | 90 | 80-125 | 3 | 15 | |
| Bromodichloromethane | 19.7 | 0.50 | ug/l | 25.0 | | 79 | 80-120 | 6 | 15 | NI |
| Bromoform | 21.7 | 1.0 | ug/l | 25.0 | | 87 | 75-130 | 8 | 20 | |
| Bromomethane | 23.4 | 1.0 | ug/l | 25.0 | | 94 | 55-150 | 0.9 | 20 | |
| 2-Butanone (MEK) | 19.6 | 2.5 | ug/l | 25.0 | | 79 | 40-150 | 4 | 35 | |
| n-Butylbenzene | 22.9 | 0.50 | ug/l | 25.0 | | 92 | 80-130 | 5 | 15 | |
| sec-Butylbenzene | 23.8 | 0.50 | ug/l | 25.0 | | 95 | 80-125 | 6 | 15 | |
| tert-Butylbenzene | 23.2 | 0.50 | ug/l | 25.0 | | 93 | 80-120 | 7 | 15 | |
| Carbon disulfide | 22.7 | 0.50 | ug/l | 25.0 | | 91 | 70-140 | 3 | 15 | |
| Carbon tetrachloride | 23.9 | 0.50 | ug/l | 25.0 | | 95 | 75-130 | 4 | 20 | |
| Chlorobenzene | 25.2 | 0.50 | ug/l | 25.0 | | 101 | 80-120 | 2 | 15 | |
| Chloroethane | 20.2 | 1.0 | ug/l | 25.0 | | 81 | 70-130 | 8 | 15 | |
| Chloroform | 21.0 | 0.50 | ug/l | 25.0 | | 84 | 75-120 | 6 | 15 | |
| Chloromethane | 18.4 | 1.0 | ug/l | 25.0 | | 74 | 60-140 | 5 | 20 | |
| 2-Chlorotoluene | 22.2 | 0.50 | ug/l | 25.0 | | 89 | 80-120 | 6 | 15 | |
| 4-Chlorotoluene | 22.2 | 0.50 | ug/l | 25.0 | | 89 | 80-120 | 5 | 15 | |
| Dibromochloromethane | 21.6 | 0.50 | ug/l | 25.0 | | 86 | 80-120 | 4 | 15 | |
| 1,2-Dibromo-3-chloropropane | 19.8 | 2.5 | ug/l | 25.0 | | 79 | 50-150 | 10 | 35 | |
| 1,2-Dibromoethane (EDB) | 22.6 | 0.50 | ug/l | 25.0 | | 90 | 80-120 | 2 | 15 | |
| Dibromomethane | 22.1 | 0.50 | ug/l | 25.0 | | 88 | 75-120 | 8 | 15 | |
| 1,2-Dichlorobenzene | 23.4 | 0.50 | ug/l | 25.0 | | 94 | 80-120 | 7 | 15 | |
| 1,3-Dichlorobenzene | 24.0 | 0.50 | ug/l | 25.0 | | 96 | 80-120 | 8 | 15 | |
| 1,4-Dichlorobenzene | 23.7 | 0.50 | ug/l | 25.0 | | 95 | 80-120 | 7 | 15 | |
| Dichlorodifluoromethane | 18.6 | 0.50 | ug/l | 25.0 | | 74 | 60-150 | 4 | 30 | |
| 1,1-Dichloroethane | 22.1 | 0.50 | ug/l | 25.0 | | 88 | 70-125 | 1 | 15 | |
| 1,2-Dichloroethane | 19.5 | 0.50 | ug/l | 25.0 | | 78 | 75-130 | 6 | 15 | |
| 1,1-Dichloroethene | 23.4 | 0.50 | ug/l | 25.0 | | 94 | 75-125 | 1 | 20 | |
| cis-1,2-Dichloroethene | 20.4 | 0.50 | ug/l | 25.0 | | 82 | 80-120 | 6 | 15 | |
| trans-1,2-Dichloroethene | 22.3 | 0.50 | ug/l | 25.0 | | 89 | 80-120 | 0.4 | 15 | |
| 1,2-Dichloropropane | 21.6 | 0.50 | ug/l | 25.0 | | 86 | 80-120 | 5 | 15 | |
| 1,3-Dichloropropane | 20.0 | 0.50 | ug/l | 25.0 | | 80 | 80-120 | 11 | 15 | |
| 2,2-Dichloropropane | 20.6 | 1.0 | ug/l | 25.0 | | 83 | 75-130 | 2 | 15 | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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PUI0849 <Page 11 of 20>

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030

Report Number: PUI0849

Sampled: 09/14/11
Received: 09/14/11

METHOD BLANK/OC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-----------------|
| Batch: 1110653 Extracted: 09/19/11 | | | | | | | | | | |
| LCS Dup Analyzed: 09/19/2011 (1110653-BSD1) | | | | | | | | | | |
| 1,1-Dichloropropene | 22.2 | 0.50 | ug/l | 25.0 | | 89 | 75-120 | 2 | 15 | |
| cis-1,3-Dichloropropene | 19.8 | 0.50 | ug/l | 25.0 | | 79 | 80-120 | 10 | 15 | NI |
| trans-1,3-Dichloropropene | 18.8 | 0.50 | ug/l | 25.0 | | 75 | 80-125 | 9 | 15 | NI |
| Ethylbenzene | 24.5 | 0.50 | ug/l | 25.0 | | 98 | 80-120 | 1 | 15 | |
| Hexachlorobutadiene | 23.5 | 1.0 | ug/l | 25.0 | | 94 | 40-150 | 6 | 35 | |
| 2-Hexanone | 17.8 | 2.5 | ug/l | 25.0 | | 71 | 20-150 | 5 | 35 | |
| Iodomethane | 31.4 | 2.5 | ug/l | 25.0 | | 126 | 80-130 | 2 | 10 | |
| Isopropylbenzene | 24.8 | 0.50 | ug/l | 25.0 | | 99 | 80-130 | 6 | 15 | |
| p-Isopropyltoluene | 23.5 | 0.50 | ug/l | 25.0 | | 94 | 80-130 | 5 | 15 | |
| Methylene Chloride | 22.8 | 1.0 | ug/l | 25.0 | | 91 | 70-120 | 7 | 15 | |
| 4-Methyl-2-pentanone (MIBK) | 16.6 | 2.5 | ug/l | 25.0 | | 66 | 60-135 | 8 | 25 | |
| Methyl-tert-butyl Ether (MTBE) | 18.2 | 0.50 | ug/l | 25.0 | | 73 | 70-130 | 4 | 20 | |
| Naphthalene | 20.9 | 2.5 | ug/l | 25.0 | | 84 | 40-150 | 5 | 30 | |
| n-Propylbenzene | 23.6 | 0.50 | ug/l | 25.0 | | 95 | 75-130 | 6 | 15 | |
| Styrene | 21.4 | 0.50 | ug/l | 25.0 | | 86 | 80-120 | 4 | 15 | |
| 1,1,1,2-Tetrachloroethane | 24.0 | 0.50 | ug/l | 25.0 | | 96 | 75-125 | 3 | 15 | |
| 1,1,2,2-Tetrachloroethane | 20.8 | 0.50 | ug/l | 25.0 | | 83 | 80-120 | 8 | 20 | |
| Tetrachloroethene | 22.2 | 0.50 | ug/l | 25.0 | | 89 | 70-130 | 20 | 20 | |
| Toluene | 23.3 | 0.50 | ug/l | 25.0 | | 93 | 80-120 | 4 | 15 | |
| 1,2,3-Trichlorobenzene | 23.5 | 1.0 | ug/l | 25.0 | | 94 | 55-150 | 4 | 35 | |
| 1,2,4-Trichlorobenzene | 22.9 | 1.0 | ug/l | 25.0 | | 91 | 50-150 | 8 | 30 | |
| 1,1,1-Trichloroethane | 22.2 | 0.50 | ug/l | 25.0 | | 89 | 75-125 | 6 | 15 | |
| 1,1,2-Trichloroethane | 20.5 | 0.50 | ug/l | 25.0 | | 82 | 80-120 | 11 | 15 | |
| Trichloroethene | 23.3 | 0.50 | ug/l | 25.0 | | 93 | 80-120 | 6 | 15 | |
| Trichlorofluoromethane | 21.9 | 0.50 | ug/l | 25.0 | | 88 | 70-150 | 0.6 | 25 | |
| 1,2,3-Trichloropropane | 19.6 | 1.0 | ug/l | 25.0 | | 79 | 70-130 | 10 | 20 | |
| 1,2,4-Trimethylbenzene | 23.1 | 0.50 | ug/l | 25.0 | | 93 | 80-120 | 6 | 15 | |
| 1,3,5-Trimethylbenzene | 23.4 | 0.50 | ug/l | 25.0 | | 93 | 80-130 | 7 | 15 | |
| Vinyl Acetate | 18.2 | 1.0 | ug/l | 25.0 | | 73 | 40-150 | 8 | 25 | |
| Vinyl chloride | 21.0 | 0.50 | ug/l | 25.0 | | 84 | 70-130 | 8 | 20 | |
| Xylenes, Total | 48.5 | 1.5 | ug/l | 50.0 | | 97 | 60-140 | 3 | 15 | |
| Freon 113 | 23.9 | 2.0 | ug/l | 25.0 | | 96 | 60-140 | 3 | 15 | |
| Surrogate: Dibromofluoromethane | 23.1 | | ug/l | 25.0 | | 93 | 80-130 | | | |
| Surrogate: Toluene-d8 | 24.3 | | ug/l | 25.0 | | 97 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 24.2 | | ug/l | 25.0 | | 97 | 80-125 | | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030

Report Number: PUI0849

Sampled: 09/14/11
Received: 09/14/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting | Units | Spike Level | Source | %REC | RPD | RPD | Data Qualifiers |
|--|--------|-----------|-------|----------------|---------------------------|------|-----|--------|--------------------|
| | | Limit | | | Result | %REC | | Limit | |
| Batch: 1110653 Extracted: 09/19/11 | | | | | | | | | |
| Matrix Spike Analyzed: 09/19/2011 (1110653-MS1) | | | | | Source: PUI0739-01 | | | | |
| Acetone | 13.3 | 10 | ug/l | 25.0 | ND | 53 | | 10-150 | |
| Benzene | 23.8 | 0.50 | ug/l | 25.0 | ND | 95 | | 70-125 | |
| Bromobenzene | 23.9 | 0.50 | ug/l | 25.0 | ND | 96 | | 75-120 | |
| Bromochloromethane | 21.1 | 0.50 | ug/l | 25.0 | ND | 85 | | 75-130 | |
| Bromodichloromethane | 19.6 | 0.50 | ug/l | 25.0 | ND | 79 | | 75-125 | |
| Bromoform | 21.9 | 1.0 | ug/l | 25.0 | ND | 88 | | 65-125 | |
| Bromomethane | 24.1 | 1.0 | ug/l | 25.0 | ND | 96 | | 45-150 | |
| 2-Butanone (MEK) | 16.9 | 2.5 | ug/l | 25.0 | ND | 68 | | 15-150 | |
| n-Butylbenzene | 22.5 | 0.50 | ug/l | 25.0 | ND | 90 | | 70-130 | |
| sec-Butylbenzene | 23.8 | 0.50 | ug/l | 25.0 | ND | 95 | | 70-125 | |
| tert-Butylbenzene | 23.5 | 0.50 | ug/l | 25.0 | ND | 94 | | 70-125 | |
| Carbon disulfide | 23.1 | 0.50 | ug/l | 25.0 | ND | 92 | | 65-145 | |
| Carbon tetrachloride | 24.4 | 0.50 | ug/l | 25.0 | ND | 97 | | 65-135 | |
| Chlorobenzene | 24.8 | 0.50 | ug/l | 25.0 | ND | 99 | | 75-120 | |
| Chloroethane | 20.6 | 1.0 | ug/l | 25.0 | ND | 82 | | 65-140 | |
| Chloroform | 22.8 | 0.50 | ug/l | 25.0 | 1.18 | 86 | | 70-130 | |
| Chloromethane | 18.0 | 1.0 | ug/l | 25.0 | ND | 72 | | 55-145 | |
| 2-Chlorotoluene | 23.0 | 0.50 | ug/l | 25.0 | ND | 92 | | 70-125 | |
| 4-Chlorotoluene | 22.8 | 0.50 | ug/l | 25.0 | ND | 91 | | 70-125 | |
| Dibromochloromethane | 20.6 | 0.50 | ug/l | 25.0 | ND | 82 | | 70-130 | |
| 1,2-Dibromo-3-chloropropane | 19.6 | 2.5 | ug/l | 25.0 | ND | 79 | | 50-150 | |
| 1,2-Dibromoethane (EDB) | 21.2 | 0.50 | ug/l | 25.0 | ND | 85 | | 70-125 | |
| Dibromomethane | 20.3 | 0.50 | ug/l | 25.0 | ND | 81 | | 70-120 | |
| 1,2-Dichlorobenzene | 23.0 | 0.50 | ug/l | 25.0 | ND | 92 | | 75-120 | |
| 1,3-Dichlorobenzene | 23.8 | 0.50 | ug/l | 25.0 | ND | 95 | | 75-120 | |
| 1,4-Dichlorobenzene | 23.3 | 0.50 | ug/l | 25.0 | ND | 93 | | 70-125 | |
| Dichlorodifluoromethane | 19.0 | 0.50 | ug/l | 25.0 | ND | 76 | | 60-150 | |
| 1,1-Dichloroethane | 26.6 | 0.50 | ug/l | 25.0 | 5.41 | 85 | | 70-130 | |
| 1,2-Dichloroethane | 19.2 | 0.50 | ug/l | 25.0 | ND | 77 | | 65-140 | |
| 1,1-Dichloroethene | 32.3 | 0.50 | ug/l | 25.0 | 9.41 | 91 | | 70-130 | |
| cis-1,2-Dichloroethene | 27.4 | 0.50 | ug/l | 25.0 | 6.93 | 82 | | 70-125 | |
| trans-1,2-Dichloroethene | 22.3 | 0.50 | ug/l | 25.0 | ND | 89 | | 75-125 | |
| 1,2-Dichloropropane | 21.4 | 0.50 | ug/l | 25.0 | ND | 86 | | 75-125 | |
| 1,3-Dichloropropane | 21.4 | 0.50 | ug/l | 25.0 | ND | 86 | | 70-120 | |
| 2,2-Dichloropropane | 20.8 | 1.0 | ug/l | 25.0 | ND | 83 | | 65-140 | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030

Report Number: PUI0849

Sampled: 09/14/11
Received: 09/14/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------------------|-----------|-------------|---------|-----------|-----------------|
| Batch: 1110653 Extracted: 09/19/11 | | | | | | | | | | |
| Matrix Spike Analyzed: 09/19/2011 (1110653-MS1) | | | | | Source: PUI0739-01 | | | | | |
| 1,1-Dichloropropene | 21.8 | 0.50 | ug/l | 25.0 | ND | 87 | 65-130 | | | |
| cis-1,3-Dichloropropene | 20.1 | 0.50 | ug/l | 25.0 | ND | 80 | 75-130 | | | |
| trans-1,3-Dichloropropene | 19.2 | 0.50 | ug/l | 25.0 | ND | 77 | 70-130 | | | |
| Ethylbenzene | 24.1 | 0.50 | ug/l | 25.0 | ND | 96 | 70-125 | | | |
| Hexachlorobutadiene | 17.6 | 1.0 | ug/l | 25.0 | ND | 70 | 40-150 | | | |
| 2-Hexanone | 14.8 | 2.5 | ug/l | 25.0 | ND | 59 | 20-150 | | | |
| Iodomethane | 32.0 | 2.5 | ug/l | 25.0 | ND | 128 | 60-150 | | | |
| Isopropylbenzene | 25.4 | 0.50 | ug/l | 25.0 | ND | 102 | 75-130 | | | |
| p-Isopropyltoluene | 23.4 | 0.50 | ug/l | 25.0 | ND | 93 | 70-130 | | | |
| Methylene Chloride | 23.1 | 1.0 | ug/l | 25.0 | ND | 92 | 65-130 | | | |
| 4-Methyl-2-pentanone (MIBK) | 15.8 | 2.5 | ug/l | 25.0 | ND | 63 | 55-135 | | | |
| Methyl-tert-butyl Ether (MTBE) | 16.8 | 0.50 | ug/l | 25.0 | ND | 67 | 65-140 | | | |
| Naphthalene | 17.3 | 2.5 | ug/l | 25.0 | ND | 69 | 40-150 | | | |
| n-Propylbenzene | 24.3 | 0.50 | ug/l | 25.0 | ND | 97 | 70-130 | | | |
| Styrene | 19.9 | 0.50 | ug/l | 25.0 | ND | 80 | 55-135 | | | |
| 1,1,1,2-Tetrachloroethane | 23.4 | 0.50 | ug/l | 25.0 | ND | 93 | 70-125 | | | |
| 1,1,2,2-Tetrachloroethane | 20.4 | 0.50 | ug/l | 25.0 | ND | 82 | 70-125 | | | |
| Tetrachloroethene | 28.2 | 0.50 | ug/l | 25.0 | 1.94 | 105 | 65-130 | | | |
| Toluene | 24.8 | 0.50 | ug/l | 25.0 | 0.370 | 98 | 70-125 | | | |
| 1,2,3-Trichlorobenzene | 19.9 | 1.0 | ug/l | 25.0 | ND | 80 | 50-150 | | | |
| 1,2,4-Trichlorobenzene | 20.8 | 1.0 | ug/l | 25.0 | ND | 83 | 50-150 | | | |
| 1,1,1-Trichloroethane | 22.7 | 0.50 | ug/l | 25.0 | ND | 91 | 70-130 | | | |
| 1,1,2-Trichloroethane | 20.6 | 0.50 | ug/l | 25.0 | ND | 83 | 75-125 | | | |
| Trichloroethene | 56.9 | 0.50 | ug/l | 25.0 | 35.3 | 87 | 70-125 | | | |
| Trichlorofluoromethane | 22.4 | 0.50 | ug/l | 25.0 | 0.160 | 89 | 65-150 | | | |
| 1,2,3-Trichloropropane | 18.9 | 1.0 | ug/l | 25.0 | ND | 76 | 70-130 | | | |
| 1,2,4-Trimethylbenzene | 23.2 | 0.50 | ug/l | 25.0 | ND | 93 | 70-125 | | | |
| 1,3,5-Trimethylbenzene | 23.6 | 0.50 | ug/l | 25.0 | ND | 95 | 75-130 | | | |
| Vinyl Acetate | 16.8 | 1.0 | ug/l | 25.0 | ND | 67 | 40-150 | | | |
| Vinyl chloride | 21.4 | 0.50 | ug/l | 25.0 | ND | 86 | 60-140 | | | |
| Xylenes, Total | 47.2 | 1.5 | ug/l | 50.0 | ND | 94 | 75-120 | | | |
| Freon 113 | 24.6 | 2.0 | ug/l | 25.0 | ND | 98 | 65-140 | | | |
| Surrogate: Dibromofluoromethane | 23.3 | | ug/l | 25.0 | | 93 | 80-130 | | | |
| Surrogate: Toluene-d8 | 25.3 | | ug/l | 25.0 | | 101 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 24.1 | | ug/l | 25.0 | | 96 | 80-125 | | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030

Report Number: PUI0849

Sampled: 09/14/11
Received: 09/14/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-------|-------------|---------------------------|------|-------------|-----|-----------|-----------------|
| Batch: 1110653 Extracted: 09/19/11 | | | | | | | | | | |
| Matrix Spike Dup Analyzed: 09/19/2011 (1110653-MSD1) | | | | | Source: PUI0739-01 | | | | | |
| Acetone | 19.0 | 10 | ug/l | 25.0 | ND | 76 | 10-150 | 35 | 35 | |
| Benzene | 24.8 | 0.50 | ug/l | 25.0 | ND | 99 | 70-125 | 4 | 25 | |
| Bromobenzene | 24.8 | 0.50 | ug/l | 25.0 | ND | 99 | 75-120 | 4 | 20 | |
| Bromochloromethane | 23.6 | 0.50 | ug/l | 25.0 | ND | 94 | 75-130 | 11 | 20 | |
| Bromodichloromethane | 20.7 | 0.50 | ug/l | 25.0 | ND | 83 | 75-125 | 5 | 20 | |
| Bromoform | 22.0 | 1.0 | ug/l | 25.0 | ND | 88 | 65-125 | 0.6 | 25 | |
| Bromomethane | 24.8 | 1.0 | ug/l | 25.0 | ND | 99 | 45-150 | 3 | 35 | |
| 2-Butanone (MEK) | 18.6 | 2.5 | ug/l | 25.0 | ND | 74 | 15-150 | 10 | 30 | |
| n-Butylbenzene | 22.8 | 0.50 | ug/l | 25.0 | ND | 91 | 70-130 | 1 | 30 | |
| sec-Butylbenzene | 24.3 | 0.50 | ug/l | 25.0 | ND | 97 | 70-125 | 2 | 30 | |
| tert-Butylbenzene | 24.0 | 0.50 | ug/l | 25.0 | ND | 96 | 70-125 | 2 | 25 | |
| Carbon disulfide | 25.0 | 0.50 | ug/l | 25.0 | ND | 100 | 65-145 | 8 | 25 | |
| Carbon tetrachloride | 24.0 | 0.50 | ug/l | 25.0 | ND | 96 | 65-135 | 2 | 25 | |
| Chlorobenzene | 26.2 | 0.50 | ug/l | 25.0 | ND | 105 | 75-120 | 6 | 20 | |
| Chloroethane | 21.6 | 1.0 | ug/l | 25.0 | ND | 86 | 65-140 | 5 | 25 | |
| Chloroform | 24.3 | 0.50 | ug/l | 25.0 | 1.18 | 92 | 70-130 | 6 | 20 | |
| Chloromethane | 18.6 | 1.0 | ug/l | 25.0 | ND | 74 | 55-145 | 3 | 35 | |
| 2-Chlorotoluene | 22.9 | 0.50 | ug/l | 25.0 | ND | 92 | 70-125 | 0.3 | 25 | |
| 4-Chlorotoluene | 23.0 | 0.50 | ug/l | 25.0 | ND | 92 | 70-125 | 0.5 | 25 | |
| Dibromochloromethane | 22.2 | 0.50 | ug/l | 25.0 | ND | 89 | 70-130 | 8 | 20 | |
| 1,2-Dibromo-3-chloropropane | 19.2 | 2.5 | ug/l | 25.0 | ND | 77 | 50-150 | 2 | 30 | |
| 1,2-Dibromoethane (EDB) | 22.8 | 0.50 | ug/l | 25.0 | ND | 91 | 70-125 | 7 | 20 | |
| Dibromomethane | 23.0 | 0.50 | ug/l | 25.0 | ND | 92 | 70-120 | 12 | 20 | |
| 1,2-Dichlorobenzene | 24.6 | 0.50 | ug/l | 25.0 | ND | 98 | 75-120 | 7 | 20 | |
| 1,3-Dichlorobenzene | 25.2 | 0.50 | ug/l | 25.0 | ND | 101 | 75-120 | 6 | 25 | |
| 1,4-Dichlorobenzene | 24.9 | 0.50 | ug/l | 25.0 | ND | 100 | 70-125 | 7 | 20 | |
| Dichlorodifluoromethane | 16.8 | 0.50 | ug/l | 25.0 | ND | 67 | 60-150 | 13 | 30 | |
| 1,1-Dichloroethane | 28.1 | 0.50 | ug/l | 25.0 | 5.41 | 91 | 70-130 | 5 | 20 | |
| 1,2-Dichloroethane | 20.5 | 0.50 | ug/l | 25.0 | ND | 82 | 65-140 | 7 | 20 | |
| 1,1-Dichloroethene | 31.9 | 0.50 | ug/l | 25.0 | 9.41 | 90 | 70-130 | 1 | 25 | |
| cis-1,2-Dichloroethene | 29.0 | 0.50 | ug/l | 25.0 | 6.93 | 88 | 70-125 | 6 | 20 | |
| trans-1,2-Dichloroethene | 22.9 | 0.50 | ug/l | 25.0 | ND | 92 | 75-125 | 3 | 25 | |
| 1,2-Dichloropropane | 22.8 | 0.50 | ug/l | 25.0 | ND | 91 | 75-125 | 6 | 20 | |
| 1,3-Dichloropropane | 23.4 | 0.50 | ug/l | 25.0 | ND | 93 | 70-120 | 9 | 20 | |
| 2,2-Dichloropropane | 21.4 | 1.0 | ug/l | 25.0 | ND | 85 | 65-140 | 3 | 25 | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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PUI0849 <Page 15 of 20>

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030

Report Number: PUI0849

Sampled: 09/14/11
Received: 09/14/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | RPD Limits | RPD RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-------|-------------|---------------------------|-----------|------------|---------|-----------|-----------------|
| Batch: 1110653 Extracted: 09/19/11 | | | | | | | | | | |
| Matrix Spike Dup Analyzed: 09/19/2011 (1110653-MSD1) | | | | | Source: PUI0739-01 | | | | | |
| 1,1-Dichloropropene | 22.5 | 0.50 | ug/l | 25.0 | ND | 90 | 65-130 | 3 | 25 | |
| cis-1,3-Dichloropropene | 22.1 | 0.50 | ug/l | 25.0 | ND | 89 | 75-130 | 10 | 20 | |
| trans-1,3-Dichloropropene | 20.7 | 0.50 | ug/l | 25.0 | ND | 83 | 70-130 | 7 | 20 | |
| Ethylbenzene | 25.4 | 0.50 | ug/l | 25.0 | ND | 101 | 70-125 | 5 | 25 | |
| Hexachlorobutadiene | 25.3 | 1.0 | ug/l | 25.0 | ND | 101 | 40-150 | 36 | 30 | R4 |
| 2-Hexanone | 17.9 | 2.5 | ug/l | 25.0 | ND | 72 | 20-150 | 19 | 30 | |
| Iodomethane | 33.4 | 2.5 | ug/l | 25.0 | ND | 134 | 60-150 | 4 | 30 | |
| Isopropylbenzene | 25.3 | 0.50 | ug/l | 25.0 | ND | 101 | 75-130 | 0.4 | 25 | |
| p-Isopropyltoluene | 23.9 | 0.50 | ug/l | 25.0 | ND | 96 | 70-130 | 2 | 30 | |
| Methylene Chloride | 23.8 | 1.0 | ug/l | 25.0 | ND | 95 | 65-130 | 3 | 20 | |
| 4-Methyl-2-pentanone (MIBK) | 17.0 | 2.5 | ug/l | 25.0 | ND | 68 | 55-135 | 8 | 25 | |
| Methyl-tert-butyl Ether (MTBE) | 18.3 | 0.50 | ug/l | 25.0 | ND | 73 | 65-140 | 9 | 25 | |
| Naphthalene | 20.3 | 2.5 | ug/l | 25.0 | ND | 81 | 40-150 | 16 | 30 | |
| n-Propylbenzene | 24.3 | 0.50 | ug/l | 25.0 | ND | 97 | 70-130 | 0.1 | 30 | |
| Styrene | 16.5 | 0.50 | ug/l | 25.0 | ND | 66 | 55-135 | 19 | 35 | |
| 1,1,1,2-Tetrachloroethane | 25.5 | 0.50 | ug/l | 25.0 | ND | 102 | 70-125 | 9 | 20 | |
| 1,1,2,2-Tetrachloroethane | 21.3 | 0.50 | ug/l | 25.0 | ND | 85 | 70-125 | 4 | 25 | |
| Tetrachloroethene | 28.8 | 0.50 | ug/l | 25.0 | 1.94 | 107 | 65-130 | 2 | 25 | |
| Toluene | 25.8 | 0.50 | ug/l | 25.0 | 0.370 | 102 | 70-125 | 4 | 20 | |
| 1,2,3-Trichlorobenzene | 24.3 | 1.0 | ug/l | 25.0 | ND | 97 | 50-150 | 20 | 35 | |
| 1,2,4-Trichlorobenzene | 24.8 | 1.0 | ug/l | 25.0 | ND | 99 | 50-150 | 17 | 25 | |
| 1,1,1-Trichloroethane | 23.1 | 0.50 | ug/l | 25.0 | ND | 92 | 70-130 | 2 | 25 | |
| 1,1,2-Trichloroethane | 22.3 | 0.50 | ug/l | 25.0 | ND | 89 | 75-125 | 8 | 20 | |
| Trichloroethene | 56.7 | 0.50 | ug/l | 25.0 | 35.3 | 86 | 70-125 | 0.4 | 25 | |
| Trichlorofluoromethane | 21.1 | 0.50 | ug/l | 25.0 | 0.160 | 84 | 65-150 | 6 | 25 | |
| 1,2,3-Trichloropropane | 18.3 | 1.0 | ug/l | 25.0 | ND | 73 | 70-130 | 3 | 25 | |
| 1,2,4-Trimethylbenzene | 22.4 | 0.50 | ug/l | 25.0 | ND | 90 | 70-125 | 3 | 30 | |
| 1,3,5-Trimethylbenzene | 23.7 | 0.50 | ug/l | 25.0 | ND | 95 | 75-130 | 0.3 | 25 | |
| Vinyl Acetate | 17.0 | 1.0 | ug/l | 25.0 | ND | 68 | 40-150 | 0.9 | 30 | |
| Vinyl chloride | 21.2 | 0.50 | ug/l | 25.0 | ND | 85 | 60-140 | 1 | 25 | |
| Xylenes, Total | 50.6 | 1.5 | ug/l | 50.0 | ND | 101 | 75-120 | 7 | 15 | |
| Freon 113 | 22.3 | 2.0 | ug/l | 25.0 | ND | 89 | 65-140 | 10 | 20 | |
| Surrogate: Dibromofluoromethane | 23.5 | | ug/l | 25.0 | | 94 | 80-130 | | | |
| Surrogate: Toluene-d8 | 25.8 | | ug/l | 25.0 | | 103 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 24.9 | | ug/l | 25.0 | | 100 | 80-125 | | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
 7272 E. Indian School Rd., Ste. 100
 Scottsdale, AZ 85251
 Attention: Jason Hilker

Project ID: 0096498.030

Report Number: PUI0849

Sampled: 09/14/11
 Received: 09/14/11

METHOD BLANK/QC DATA

1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-----------------|
| Batch: 1110590 Extracted: 09/16/11 | | | | | | | | | | |
| Blank Analyzed: 09/18/2011 (1110590-BLK1) | | | | | | | | | | |
| 1,4-Dioxane | ND | 1.0 | ug/l | | | | | | | |
| Surrogate: 1,4-Dioxane-d8 | 15.0 | | ug/l | 20.0 | | 75 | 38.6-88.3 | | | |
| Surrogate: Nitrobenzene-d5 | 18.9 | | ug/l | 20.0 | | 95 | 59.9-120 | | | |
| LCS Analyzed: 09/18/2011 (1110590-BS1) | | | | | | | | | | |
| 1,4-Dioxane | 20.2 | 1.0 | ug/l | 20.0 | | 101 | 80-120 | | | Q8 |
| Surrogate: 1,4-Dioxane-d8 | 15.0 | | ug/l | 20.0 | | 75 | 32-57 | | | S10 |
| Surrogate: Nitrobenzene-d5 | 20.0 | | ug/l | 20.0 | | 100 | 38-125 | | | |
| LCS Dup Analyzed: 09/18/2011 (1110590-BSD1) | | | | | | | | | | |
| 1,4-Dioxane | 20.2 | 1.0 | ug/l | 20.0 | | 101 | 80-120 | 0.2 | 25 | Q8 |
| Surrogate: 1,4-Dioxane-d8 | 15.7 | | ug/l | 20.0 | | 79 | 32-57 | | | S10 |
| Surrogate: Nitrobenzene-d5 | 20.6 | | ug/l | 20.0 | | 103 | 38-125 | | | |
| Batch: 1110614 Extracted: 09/17/11 | | | | | | | | | | |
| Blank Analyzed: 09/19/2011 (1110614-BLK1) | | | | | | | | | | |
| 1,4-Dioxane | ND | 1.0 | ug/l | | | | | | | |
| Surrogate: 1,4-Dioxane-d8 | 14.7 | | ug/l | 20.0 | | 73 | 38.6-88.3 | | | |
| Surrogate: Nitrobenzene-d5 | 17.4 | | ug/l | 20.0 | | 87 | 59.9-120 | | | |
| LCS Analyzed: 09/19/2011 (1110614-BS1) | | | | | | | | | | |
| 1,4-Dioxane | 20.5 | 1.0 | ug/l | 20.0 | | 103 | 80-120 | | | |
| Surrogate: 1,4-Dioxane-d8 | 15.4 | | ug/l | 20.0 | | 77 | 32-57 | | | S10 |
| Surrogate: Nitrobenzene-d5 | 18.3 | | ug/l | 20.0 | | 91 | 38-125 | | | |
| LCS Dup Analyzed: 09/19/2011 (1110614-BSD1) | | | | | | | | | | |
| 1,4-Dioxane | 20.3 | 1.0 | ug/l | 20.0 | | 102 | 80-120 | 0.9 | 25 | |
| Surrogate: 1,4-Dioxane-d8 | 13.6 | | ug/l | 20.0 | | 68 | 32-57 | | | S10 |
| Surrogate: Nitrobenzene-d5 | 15.8 | | ug/l | 20.0 | | 79 | 38-125 | | | |

TestAmerica Phoenix

Kylie Emily
 Project Manager

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Environmental Resources Management Inc.-West
 7272 E. Indian School Rd., Ste. 100
 Scottsdale, AZ 85251
 Attention: Jason Hilker

Project ID: 0096498.030

Report Number: PUI0849

Sampled: 09/14/11
 Received: 09/14/11

METHOD-BLANK/QC-DATA

1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-------|-------------|---------------------------|------|-------------|-----|-----------|-----------------|
| Batch: 11I0614 Extracted: 09/17/11 | | | | | | | | | | |
| Matrix Spike Analyzed: 09/20/2011 (11I0614-MS1) | | | | | Source: PUI0850-03 | | | | | |
| 1,4-Dioxane | 26.7 | 1.2 | ug/l | 24.1 | 2.31 | 101 | 70-130 | | | |
| Surrogate: 1,4-Dioxane-d8 | 17.6 | | ug/l | 24.1 | | 73 | 36-81 | | | |
| Surrogate: Nitrobenzene-d5 | 21.7 | | ug/l | 24.1 | | 90 | 59-120 | | | |
| Matrix Spike Dup Analyzed: 09/20/2011 (11I0614-MSD1) | | | | | Source: PUI0850-03 | | | | | |
| 1,4-Dioxane | 23.6 | 1.0 | ug/l | 21.3 | 2.31 | 100 | 70-130 | 13 | 25 | |
| Surrogate: 1,4-Dioxane-d8 | 15.3 | | ug/l | 21.3 | | 72 | 36-81 | | | |
| Surrogate: Nitrobenzene-d5 | 19.6 | | ug/l | 21.3 | | 92 | 59-120 | | | |

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Kylie Emily
 Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030

Report Number: PUI0849

Sampled: 09/14/11
Received: 09/14/11

DATA QUALIFIERS AND DEFINITIONS

- N1 See case narrative.
- Q8 Insufficient sample received to meet method QC requirements. Batch QC requirements satisfy ADEQ policies 0154.000 and 0155.000.
- R4 MS/MSD RPD exceeded the method acceptance limit. Recovery met acceptance criteria.
- S10 Surrogate recovery was above laboratory and method acceptance limits. See case narrative.
- ND Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
- RPD Relative Percent Difference

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030

Report Number: PUI0849

Sampled: 09/14/11
Received: 09/14/11

Certification Summary

TestAmerica Phoenix

| Method | Matrix | Nelac | Arizona |
|-----------|--------|-------|---------|
| EPA 8260B | Water | X | X |
| EPA 8270C | Water | | X |

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for TestAmerica may be obtained by contacting the laboratory or visiting our website at www.testamericainc.com

TestAmerica Phoenix

Kylie Emily
Project Manager

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TestAmerica

CHAIN OF CUSTODY FORM

THE LEADER IN ENVIRONMENTAL TESTING
TAL-0013-550 (10/10)

Phoenix - 4625 E. Cotton Center Blvd., Suite 189, Phoenix, AZ 85040 (602) 437-3340 FAX (602) 454-8303
 Tucson - 1870 W. Prince Road, Suite 59, Tucson, AZ 85705 (520) 807-3801 FAX (520) 807-3803
 Las Vegas - 6000 S Eastern Ave., Suite 5E, Las Vegas, NV 89119 (702) 429-1264

Page 1 of 1

| Client Name/Address: <u>ERM</u> <u>7272 E Indian School Rd STE 100</u> <u>Scottsdale, AZ 85251</u> | | | Project/PO Number: <u>0096498.030</u> | | | | Analysis Required | | | | | | | | | | | | | | | |
|--|---------------|----------------|--|----------------|---------------|---------------|--|-------------------|--|--|--------------------------------|--|--|--|--|--|--|--|--|--|-----------------------------|--|
| Project Manager: <u>Jason Hiller</u> <u>Jason.Hiller@ERM.com</u> Sampler: <u>Adam Nash</u> | | | Phone Number: <u>480-998-2401</u> Fax Number: <u>480-998-2401</u> | | | | VOC (82603) | 14-Dioxin (8270c) | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | |
| Sample Description | Sample Matrix | Container Type | # of Cont. | Sampling Date | Sampling Time | Preservatives | | | | | | | | | | | | | | | Special Instructions | |
| <u>003-115-S-091411</u> | <u>WT</u> | <u>40mL IL</u> | <u>3</u> | <u>9/14/11</u> | <u>0910</u> | <u>HCl</u> | <u>X</u> | <u>X</u> | | | | | | | | | | | | | <u>-01</u> <u>Level III</u> | |
| <u>003-5SR-S-091411</u> | <u>WT</u> | <u>40mL IL</u> | <u>3</u> | <u>9/14/11</u> | <u>1051</u> | <u>HCl</u> | <u>X</u> | <u>X</u> | | | | | | | | | | | | | <u>-07</u> <u>Level III</u> | |
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| Relinquished By: <u>ERM</u> | | | Date/Time: <u>9/14/11 1600</u> | | | | Received By: <u>[Signature]</u> | | | | Date/Time: <u>9-14-11 1600</u> | | | | Turnaround Time: (Check) same day _____ 72 hours _____ 24 hours _____ 5 days _____ 48 hours _____ normal <u>X</u> | | | | | | | |
| Relinquished By: | | | Date/Time: | | | | Received By: | | | | Date/Time: | | | | Sample Integrity: (Check) intact <u>X</u> on ice <u>X</u> | | | | | | | |
| Relinquished By: | | | Date/Time: | | | | Received in Lab By: <u>[Signature]</u> | | | | Date/Time: <u>9-14-11 1600</u> | | | | | | | | | | | |

Note: By relinquishing samples to TestAmerica, client agrees to pay for the services requested on this chain of custody form and any additional analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 30 days.

3.1 / 1.0
2X

LABORATORY REPORT

Prepared For: Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project: OU3 0096498.030

Sampled: 09/14/11
Received: 09/14/11
Revised: 11/21/11 15:05

NELAP #01109CA Arizona DHS#AZ0728

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica. The Chain of Custody, 1 page, is included and is an integral part of this report.

This entire report was reviewed and approved for release.

CASE NARRATIVE

LABORATORY ID

PUI0850-01
PUI0850-02
PUI0850-03
PUI0850-04
PUI0850-05
PUI0850-06
PUI0850-07
PUI0850-08

CLIENT ID

OU3-11M2-M-091411
OU3-11M-M-091411
OU3-5M2-M-091411
OU3-5MR-M-091411
OU3-5MR-M-091411-Q1
OU3-5DR-D-091411
GW-EB1-5-091411
GW-L1-5-091411

MATRIX

Water
Water
Water
Water
Water
Water
Water
Water

TestAmerica Phoenix

Kylie Emily
Project Manager

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0850

Sampled: 09/14/11
Received: 09/14/11

SAMPLE RECEIPT: Samples were received intact, at 3°C, on ice and with chain of custody documentation.

HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the TestAmerica Sample Acceptance Policy unless otherwise noted in the report.

PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

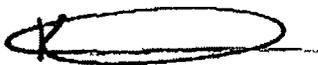
QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.
S10-Surrogate recovery was above acceptance limits.
L3-Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.
N1 = Laboratory Control Sample Duplicate recovered low and outside of client acceptance limits for Bromodichloromethane, cis-1,3-Dichloropropene and trans-1,3-Dichloropropene. Recovery was within the laboratory acceptance limits. All associated samples are non-detect for this compound and therefore should not be impacted.
N1 = The Laboratory Control Sample recovered below and outside of client acceptance limits but within laboratory acceptance limits for Bromodichloromethane. All associated samples are non-detect for this compound and therefore should not be impacted.
N1 = The Laboratory Control Sample / Laboratory Control Sample Duplicate recovered below and outside of client acceptance limits but within laboratory acceptance limits for for trans-1,3-Dichloropropene. All associated samples are non-detect for this compound and therefore should not be impacted.

COMMENTS: No significant observations were made.

SUBCONTRACTED: No analyses were subcontracted to an outside laboratory.

ADDITIONAL INFORMATION: Report revised to reflect QAPP limits.

Reviewed By:



TestAmerica Phoenix

Kylie Emily
Project Manager

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PUI0850 <Page 2 of 42>

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0850

Sampled: 09/14/11
Received: 09/14/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0850-01 (OU3-11M2-M-091411 - Water) | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| Acetone | EPA 8260B | 11I0653 | 10 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Benzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Bromobenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Bromochloromethane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Bromodichloromethane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | N1 |
| Bromoform | EPA 8260B | 11I0653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Bromomethane | EPA 8260B | 11I0653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 2-Butanone (MEK) | EPA 8260B | 11I0653 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| n-Butylbenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| sec-Butylbenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| tert-Butylbenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Carbon disulfide | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Carbon tetrachloride | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Chlorobenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Chloroethane | EPA 8260B | 11I0653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Chloroform | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Chloromethane | EPA 8260B | 11I0653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 2-Chlorotoluene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 4-Chlorotoluene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Dibromochloromethane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dibromo-3-chloropropane | EPA 8260B | 11I0653 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dibromoethane (EDB) | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Dibromomethane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dichlorobenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,3-Dichlorobenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,4-Dichlorobenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Dichlorodifluoromethane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1-Dichloroethane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dichloroethane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1-Dichloroethene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| cis-1,2-Dichloroethene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| trans-1,2-Dichloroethene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dichloropropane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,3-Dichloropropane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 2,2-Dichloropropane | EPA 8260B | 11I0653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1-Dichloropropene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| cis-1,3-Dichloropropene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | N1 |
| trans-1,3-Dichloropropene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | N1 |
| Ethylbenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Hexachlorobutadiene | EPA 8260B | 11I0653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0850

Sampled: 09/14/11
Received: 09/14/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0850-01 (OU3-11M2-M-091411 - Water) - cont. | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| 2-Hexanone | EPA 8260B | 1110653 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Iodomethane | EPA 8260B | 1110653 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Isopropylbenzene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| p-Isopropyltoluene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Methylene Chloride | EPA 8260B | 1110653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 4-Methyl-2-pentanone (MIBK) | EPA 8260B | 1110653 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Methyl-tert-butyl Ether (MTBE) | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Naphthalene | EPA 8260B | 1110653 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| n-Propylbenzene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Styrene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1,1,2-Tetrachloroethane | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1,2,2-Tetrachloroethane | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Tetrachloroethene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Toluene | EPA 8260B | 1110653 | 0.50 | 0.76 | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2,3-Trichlorobenzene | EPA 8260B | 1110653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2,4-Trichlorobenzene | EPA 8260B | 1110653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1,1-Trichloroethane | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1,2-Trichloroethane | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Trichloroethene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Trichlorofluoromethane | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2,3-Trichloropropane | EPA 8260B | 1110653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2,4-Trimethylbenzene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,3,5-Trimethylbenzene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Vinyl Acetate | EPA 8260B | 1110653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Vinyl chloride | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Xylenes, Total | EPA 8260B | 1110653 | 1.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Freon 113 | EPA 8260B | 1110653 | 2.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Surrogate: Dibromofluoromethane (80-130%) | | | | 97 % | | | | |
| Surrogate: Toluene-d8 (80-120%) | | | | 96 % | | | | |
| Surrogate: 4-Bromofluorobenzene (80-125%) | | | | 90 % | | | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0850

Sampled: 09/14/11
Received: 09/14/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0850-02 (OU3-11M-M-091411 - Water) | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| Acetone | EPA 8260B | 11I0653 | 10 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Benzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Bromobenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Bromochloromethane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Bromodichloromethane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | N1 |
| Bromoform | EPA 8260B | 11I0653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Bromomethane | EPA 8260B | 11I0653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 2-Butanone (MEK) | EPA 8260B | 11I0653 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| n-Butylbenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| sec-Butylbenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| tert-Butylbenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Carbon disulfide | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Carbon tetrachloride | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Chlorobenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Chloroethane | EPA 8260B | 11I0653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Chloroform | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Chloromethane | EPA 8260B | 11I0653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 2-Chlorotoluene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 4-Chlorotoluene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Dibromochloromethane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dibromo-3-chloropropane | EPA 8260B | 11I0653 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dibromoethane (EDB) | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Dibromomethane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dichlorobenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,3-Dichlorobenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,4-Dichlorobenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Dichlorodifluoromethane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1-Dichloroethane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dichloroethane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1-Dichloroethene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| cis-1,2-Dichloroethene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| trans-1,2-Dichloroethene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2-Dichloropropane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,3-Dichloropropane | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 2,2-Dichloropropane | EPA 8260B | 11I0653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1-Dichloropropene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| cis-1,3-Dichloropropene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | N1 |
| trans-1,3-Dichloropropene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | N1 |
| Ethylbenzene | EPA 8260B | 11I0653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Hexachlorobutadiene | EPA 8260B | 11I0653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0850

Sampled: 09/14/11
Received: 09/14/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0850-02 (OU3-11M-M-091411 - Water) - cont. | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| 2-Hexanone | EPA 8260B | 1110653 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Iodomethane | EPA 8260B | 1110653 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Isopropylbenzene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| p-Isopropyltoluene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Methylene Chloride | EPA 8260B | 1110653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 4-Methyl-2-pentanone (MIBK) | EPA 8260B | 1110653 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Methyl-tert-butyl Ether (MTBE) | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Naphthalene | EPA 8260B | 1110653 | 2.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| n-Propylbenzene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Styrene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1,1,2-Tetrachloroethane | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1,2,2-Tetrachloroethane | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Tetrachloroethene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Toluene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2,3-Trichlorobenzene | EPA 8260B | 1110653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2,4-Trichlorobenzene | EPA 8260B | 1110653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1,1-Trichloroethane | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,1,2-Trichloroethane | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Trichloroethene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Trichlorofluoromethane | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2,3-Trichloropropane | EPA 8260B | 1110653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,2,4-Trimethylbenzene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| 1,3,5-Trimethylbenzene | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Vinyl Acetate | EPA 8260B | 1110653 | 1.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Vinyl chloride | EPA 8260B | 1110653 | 0.50 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Xylenes, Total | EPA 8260B | 1110653 | 1.5 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Freon 113 | EPA 8260B | 1110653 | 2.0 | ND | 1 | 9/19/2011 | 9/19/2011 | |
| Surrogate: Dibromofluoromethane (80-130%) | | | | 96 % | | | | |
| Surrogate: Toluene-d8 (80-120%) | | | | 100 % | | | | |
| Surrogate: 4-Bromofluorobenzene (80-125%) | | | | 92 % | | | | |

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0850

Sampled: 09/14/11
Received: 09/14/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0850-03 (OU3-5M2-M-091411 - Water) | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| Acetone | EPA 8260B | 11I0730 | 10 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Benzene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Bromobenzene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Bromochloromethane | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Bromodichloromethane | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | N1 |
| Bromoform | EPA 8260B | 11I0730 | 1.0 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Bromomethane | EPA 8260B | 11I0730 | 1.0 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 2-Butanone (MEK) | EPA 8260B | 11I0730 | 2.5 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| n-Butylbenzene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| sec-Butylbenzene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| tert-Butylbenzene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Carbon disulfide | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Carbon tetrachloride | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Chlorobenzene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Chloroethane | EPA 8260B | 11I0730 | 1.0 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Chloroform | EPA 8260B | 11I0730 | 0.50 | 0.88 | 1 | 9/20/2011 | 9/20/2011 | |
| Chloromethane | EPA 8260B | 11I0730 | 1.0 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 2-Chlorotoluene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 4-Chlorotoluene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Dibromochloromethane | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,2-Dibromo-3-chloropropane | EPA 8260B | 11I0730 | 2.5 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,2-Dibromoethane (EDB) | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Dibromomethane | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,2-Dichlorobenzene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,3-Dichlorobenzene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,4-Dichlorobenzene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Dichlorodifluoromethane | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,1-Dichloroethane | EPA 8260B | 11I0730 | 0.50 | 5.2 | 1 | 9/20/2011 | 9/20/2011 | |
| 1,2-Dichloroethane | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,1-Dichloroethene | EPA 8260B | 11I0730 | 0.50 | 7.9 | 1 | 9/20/2011 | 9/20/2011 | |
| cis-1,2-Dichloroethene | EPA 8260B | 11I0730 | 0.50 | 14 | 1 | 9/20/2011 | 9/20/2011 | |
| trans-1,2-Dichloroethene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,2-Dichloropropane | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,3-Dichloropropane | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 2,2-Dichloropropane | EPA 8260B | 11I0730 | 1.0 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,1-Dichloropropene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| cis-1,3-Dichloropropene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| trans-1,3-Dichloropropene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | N1 |
| Ethylbenzene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Hexachlorobutadiene | EPA 8260B | 11I0730 | 1.0 | ND | 1 | 9/20/2011 | 9/20/2011 | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0850

Sampled: 09/14/11
Received: 09/14/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0850-03 (OU3-5M2-M-091411 - Water) - cont. | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| 2-Hexanone | EPA 8260B | 11I0730 | 2.5 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Iodomethane | EPA 8260B | 11I0730 | 2.5 | ND | 1 | 9/20/2011 | 9/20/2011 | L3 |
| Isopropylbenzene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| p-Isopropyltoluene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Methylene Chloride | EPA 8260B | 11I0730 | 1.0 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 4-Methyl-2-pentanone (MIBK) | EPA 8260B | 11I0730 | 2.5 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Methyl-tert-butyl Ether (MTBE) | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Naphthalene | EPA 8260B | 11I0730 | 2.5 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| n-Propylbenzene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Styrene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | M2 |
| 1,1,1,2-Tetrachloroethane | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,1,2,2-Tetrachloroethane | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Tetrachloroethene | EPA 8260B | 11I0730 | 0.50 | 3.2 | 1 | 9/20/2011 | 9/20/2011 | |
| Toluene | EPA 8260B | 11I0730 | 0.50 | 4.4 | 1 | 9/20/2011 | 9/20/2011 | |
| 1,2,3-Trichlorobenzene | EPA 8260B | 11I0730 | 1.0 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,2,4-Trichlorobenzene | EPA 8260B | 11I0730 | 1.0 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,1,1-Trichloroethane | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,1,2-Trichloroethane | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Trichloroethene | EPA 8260B | 11I0730 | 0.50 | 75 | 1 | 9/20/2011 | 9/20/2011 | |
| Trichlorofluoromethane | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,2,3-Trichloropropane | EPA 8260B | 11I0730 | 1.0 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,2,4-Trimethylbenzene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,3,5-Trimethylbenzene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Vinyl Acetate | EPA 8260B | 11I0730 | 1.0 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Vinyl chloride | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Xylenes, Total | EPA 8260B | 11I0730 | 1.5 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Freon 113 | EPA 8260B | 11I0730 | 2.0 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Surrogate: Dibromofluoromethane (80-130%) | | | | 95 % | | | | |
| Surrogate: Toluene-d8 (80-120%) | | | | 101 % | | | | |
| Surrogate: 4-Bromofluorobenzene (80-125%) | | | | 92 % | | | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0850

Sampled: 09/14/11
Received: 09/14/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0850-04 (OU3-SMR-M-091411 - Water) | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| Acetone | EPA 8260B | 11I0730 | 10 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Benzene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Bromobenzene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Bromochloromethane | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Bromodichloromethane | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | N1 |
| Bromoform | EPA 8260B | 11I0730 | 1.0 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Bromomethane | EPA 8260B | 11I0730 | 1.0 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 2-Butanone (MEK) | EPA 8260B | 11I0730 | 2.5 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| n-Butylbenzene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| sec-Butylbenzene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| tert-Butylbenzene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Carbon disulfide | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Carbon tetrachloride | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Chlorobenzene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Chloroethane | EPA 8260B | 11I0730 | 1.0 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Chloroform | EPA 8260B | 11I0730 | 0.50 | 1.0 | 1 | 9/20/2011 | 9/20/2011 | |
| Chloromethane | EPA 8260B | 11I0730 | 1.0 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 2-Chlorotoluene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 4-Chlorotoluene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Dibromochloromethane. | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,2-Dibromo-3-chloropropane | EPA 8260B | 11I0730 | 2.5 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,2-Dibromoethane (EDB) | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Dibromomethane | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,2-Dichlorobenzene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,3-Dichlorobenzene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,4-Dichlorobenzene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Dichlorodifluoromethane | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,1-Dichloroethane | EPA 8260B | 11I0730 | 0.50 | 5.1 | 1 | 9/20/2011 | 9/20/2011 | |
| 1,2-Dichloroethane | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,1-Dichloroethene | EPA 8260B | 11I0730 | 0.50 | 6.7 | 1 | 9/20/2011 | 9/20/2011 | |
| cis-1,2-Dichloroethene | EPA 8260B | 11I0730 | 0.50 | 10 | 1 | 9/20/2011 | 9/20/2011 | |
| trans-1,2-Dichloroethene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,2-Dichloropropane | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,3-Dichloropropane | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 2,2-Dichloropropane | EPA 8260B | 11I0730 | 1.0 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,1-Dichloropropene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| cis-1,3-Dichloropropene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| trans-1,3-Dichloropropene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | N1 |
| Ethylbenzene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Hexachlorobutadiene | EPA 8260B | 11I0730 | 1.0 | ND | 1 | 9/20/2011 | 9/20/2011 | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0850

Sampled: 09/14/11
Received: 09/14/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0850-04 (OU3-5MR-M-091411 - Water) - cont. | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| 2-Hexanone | EPA 8260B | 11I0730 | 2.5 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Iodomethane | EPA 8260B | 11I0730 | 2.5 | ND | 1 | 9/20/2011 | 9/20/2011 | L3 |
| Isopropylbenzene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| p-Isopropyltoluene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Methylene Chloride | EPA 8260B | 11I0730 | 1.0 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 4-Methyl-2-pentanone (MIBK) | EPA 8260B | 11I0730 | 2.5 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Methyl-tert-butyl Ether (MTBE) | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Naphthalene | EPA 8260B | 11I0730 | 2.5 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| n-Propylbenzene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Styrene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,1,1,2-Tetrachloroethane | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,1,2,2-Tetrachloroethane | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Tetrachloroethene | EPA 8260B | 11I0730 | 0.50 | 2.2 | 1 | 9/20/2011 | 9/20/2011 | |
| Toluene | EPA 8260B | 11I0730 | 0.50 | 0.74 | 1 | 9/20/2011 | 9/20/2011 | |
| 1,2,3-Trichlorobenzene | EPA 8260B | 11I0730 | 1.0 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,2,4-Trichlorobenzene | EPA 8260B | 11I0730 | 1.0 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,1,1-Trichloroethane | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,1,2-Trichloroethane | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Trichloroethene | EPA 8260B | 11I0730 | 0.50 | 52 | 1 | 9/20/2011 | 9/20/2011 | |
| Trichlorofluoromethane | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,2,3-Trichloropropane | EPA 8260B | 11I0730 | 1.0 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,2,4-Trimethylbenzene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,3,5-Trimethylbenzene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Vinyl Acetate | EPA 8260B | 11I0730 | 1.0 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Vinyl chloride | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Xylenes, Total | EPA 8260B | 11I0730 | 1.5 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Freon 113 | EPA 8260B | 11I0730 | 2.0 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Surrogate: Dibromofluoromethane (80-130%) | | | | 88 % | | | | |
| Surrogate: Toluene-d8 (80-120%) | | | | 97 % | | | | |
| Surrogate: 4-Bromofluorobenzene (80-125%) | | | | 88 % | | | | |

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0850

Sampled: 09/14/11
Received: 09/14/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0850-05 (OU3-5MR-M-091411-Q1 - Water) | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| Acetone | EPA 8260B | 1110730 | 10 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Benzene | EPA 8260B | 1110730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Bromobenzene | EPA 8260B | 1110730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Bromochloromethane | EPA 8260B | 1110730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Bromodichloromethane | EPA 8260B | 1110730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | N1 |
| Bromoform | EPA 8260B | 1110730 | 1.0 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Bromomethane | EPA 8260B | 1110730 | 1.0 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 2-Butanone (MEK) | EPA 8260B | 1110730 | 2.5 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| n-Butylbenzene | EPA 8260B | 1110730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| sec-Butylbenzene | EPA 8260B | 1110730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| tert-Butylbenzene | EPA 8260B | 1110730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Carbon disulfide | EPA 8260B | 1110730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Carbon tetrachloride | EPA 8260B | 1110730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Chlorobenzene | EPA 8260B | 1110730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Chloroethane | EPA 8260B | 1110730 | 1.0 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Chloroform | EPA 8260B | 1110730 | 0.50 | 1.0 | 1 | 9/20/2011 | 9/20/2011 | |
| Chloromethane | EPA 8260B | 1110730 | 1.0 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 2-Chlorotoluene | EPA 8260B | 1110730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 4-Chlorotoluene | EPA 8260B | 1110730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Dibromochloromethane | EPA 8260B | 1110730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,2-Dibromo-3-chloropropane | EPA 8260B | 1110730 | 2.5 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,2-Dibromoethane (EDB) | EPA 8260B | 1110730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Dibromomethane | EPA 8260B | 1110730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,2-Dichlorobenzene | EPA 8260B | 1110730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,3-Dichlorobenzene | EPA 8260B | 1110730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,4-Dichlorobenzene | EPA 8260B | 1110730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Dichlorodifluoromethane | EPA 8260B | 1110730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,1-Dichloroethane | EPA 8260B | 1110730 | 0.50 | 4.8 | 1 | 9/20/2011 | 9/20/2011 | |
| 1,2-Dichloroethane | EPA 8260B | 1110730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,1-Dichloroethene | EPA 8260B | 1110730 | 0.50 | 6.7 | 1 | 9/20/2011 | 9/20/2011 | |
| cis-1,2-Dichloroethene | EPA 8260B | 1110730 | 0.50 | 9.7 | 1 | 9/20/2011 | 9/20/2011 | |
| trans-1,2-Dichloroethene | EPA 8260B | 1110730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,2-Dichloropropane | EPA 8260B | 1110730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,3-Dichloropropane | EPA 8260B | 1110730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 2,2-Dichloropropane | EPA 8260B | 1110730 | 1.0 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,1-Dichloropropene | EPA 8260B | 1110730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| cis-1,3-Dichloropropene | EPA 8260B | 1110730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| trans-1,3-Dichloropropene | EPA 8260B | 1110730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | N1 |
| Ethylbenzene | EPA 8260B | 1110730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Hexachlorobutadiene | EPA 8260B | 1110730 | 1.0 | ND | 1 | 9/20/2011 | 9/20/2011 | |

TestAmerica Phoenix

Kylie Emily
Project Manager

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0850

Sampled: 09/14/11
Received: 09/14/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0850-05 (OU3-5MR-M-091411-Q1 - Water) - cont. | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| 2-Hexanone | EPA 8260B | 1110730 | 2.5 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Iodomethane | EPA 8260B | 1110730 | 2.5 | ND | 1 | 9/20/2011 | 9/20/2011 | L3 |
| Isopropylbenzene | EPA 8260B | 1110730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| p-Isopropyltoluene | EPA 8260B | 1110730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Methylene Chloride | EPA 8260B | 1110730 | 1.0 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 4-Methyl-2-pentanone (MIBK) | EPA 8260B | 1110730 | 2.5 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Methyl-tert-butyl Ether (MTBE) | EPA 8260B | 1110730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Naphthalene | EPA 8260B | 1110730 | 2.5 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| n-Propylbenzene | EPA 8260B | 1110730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Styrene | EPA 8260B | 1110730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,1,1,2-Tetrachloroethane | EPA 8260B | 1110730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,1,2,2-Tetrachloroethane | EPA 8260B | 1110730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Tetrachloroethene | EPA 8260B | 1110730 | 0.50 | 2.0 | 1 | 9/20/2011 | 9/20/2011 | |
| Toluene | EPA 8260B | 1110730 | 0.50 | 0.51 | 1 | 9/20/2011 | 9/20/2011 | |
| 1,2,3-Trichlorobenzene | EPA 8260B | 1110730 | 1.0 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,2,4-Trichlorobenzene | EPA 8260B | 1110730 | 1.0 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,1,1-Trichloroethane | EPA 8260B | 1110730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,1,2-Trichloroethane | EPA 8260B | 1110730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Trichloroethene | EPA 8260B | 1110730 | 0.50 | 48 | 1 | 9/20/2011 | 9/20/2011 | |
| Trichlorofluoromethane | EPA 8260B | 1110730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,2,3-Trichloropropane | EPA 8260B | 1110730 | 1.0 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,2,4-Trimethylbenzene | EPA 8260B | 1110730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,3,5-Trimethylbenzene | EPA 8260B | 1110730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Vinyl Acetate | EPA 8260B | 1110730 | 1.0 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Vinyl chloride | EPA 8260B | 1110730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Xylenes, Total | EPA 8260B | 1110730 | 1.5 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Freon 113 | EPA 8260B | 1110730 | 2.0 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Surrogate: Dibromofluoromethane (80-130%) | | | | | | | | 93 % |
| Surrogate: Toluene-d8 (80-120%) | | | | | | | | 100 % |
| Surrogate: 4-Bromofluorobenzene (80-125%) | | | | | | | | 90 % |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0850

Sampled: 09/14/11
Received: 09/14/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0850-06 (OU3-SDR-D-091411 - Water) | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| Acetone | EPA 8260B | 11I0730 | 10 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Benzene | EPA 8260B | 11I0730 | 0.50 | 0.55 | 1 | 9/20/2011 | 9/20/2011 | |
| Bromobenzene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Bromochloromethane | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Bromodichloromethane | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | N1 |
| Bromoform | EPA 8260B | 11I0730 | 1.0 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Bromomethane | EPA 8260B | 11I0730 | 1.0 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 2-Butanone (MEK) | EPA 8260B | 11I0730 | 2.5 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| n-Butylbenzene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| sec-Butylbenzene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| tert-Butylbenzene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Carbon disulfide | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Carbon tetrachloride | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Chlorobenzene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Chloroethane | EPA 8260B | 11I0730 | 1.0 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Chloroform | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Chloromethane | EPA 8260B | 11I0730 | 1.0 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 2-Chlorotoluene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 4-Chlorotoluene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Dibromochloromethane | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,2-Dibromo-3-chloropropane | EPA 8260B | 11I0730 | 2.5 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,2-Dibromoethane (EDB) | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Dibromomethane | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,2-Dichlorobenzene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,3-Dichlorobenzene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,4-Dichlorobenzene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Dichlorodifluoromethane | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,1-Dichloroethane | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,2-Dichloroethane | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,1-Dichloroethene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| cis-1,2-Dichloroethene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| trans-1,2-Dichloroethene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,2-Dichloropropane | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,3-Dichloropropane | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 2,2-Dichloropropane | EPA 8260B | 11I0730 | 1.0 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,1-Dichloropropene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| cis-1,3-Dichloropropene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| trans-1,3-Dichloropropene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | N1 |
| Ethylbenzene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Hexachlorobutadiene | EPA 8260B | 11I0730 | 1.0 | ND | 1 | 9/20/2011 | 9/20/2011 | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0850

Sampled: 09/14/11
Received: 09/14/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0850-06 (OU3-SDR-D-091411 - Water) - cont. | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| 2-Hexanone | EPA 8260B | 11I0730 | 2.5 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Iodomethane | EPA 8260B | 11I0730 | 2.5 | ND | 1 | 9/20/2011 | 9/20/2011 | L3 |
| Isopropylbenzene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| p-Isopropyltoluene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Methylene Chloride | EPA 8260B | 11I0730 | 1.0 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 4-Methyl-2-pentanone (MIBK) | EPA 8260B | 11I0730 | 2.5 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Methyl-tert-butyl Ether (MTBE) | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Naphthalene | EPA 8260B | 11I0730 | 2.5 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| n-Propylbenzene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Styrene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,1,1,2-Tetrachloroethane | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,1,2,2-Tetrachloroethane | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Tetrachloroethene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Toluene | EPA 8260B | 11I0730 | 0.50 | 2.0 | 1 | 9/20/2011 | 9/20/2011 | |
| 1,2,3-Trichlorobenzene | EPA 8260B | 11I0730 | 1.0 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,2,4-Trichlorobenzene | EPA 8260B | 11I0730 | 1.0 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,1,1-Trichloroethane | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,1,2-Trichloroethane | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Trichloroethene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Trichlorofluoromethane | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,2,3-Trichloropropane | EPA 8260B | 11I0730 | 1.0 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,2,4-Trimethylbenzene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,3,5-Trimethylbenzene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Vinyl Acetate | EPA 8260B | 11I0730 | 1.0 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Vinyl chloride | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Xylenes, Total | EPA 8260B | 11I0730 | 1.5 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Freon 113 | EPA 8260B | 11I0730 | 2.0 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Surrogate: Dibromofluoromethane (80-130%) | | | | | | | | 113 % |
| Surrogate: Toluene-d8 (80-120%) | | | | | | | | 96 % |
| Surrogate: 4-Bromofluorobenzene (80-125%) | | | | | | | | 92 % |

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0850

Sampled: 09/14/11

Received: 09/14/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0850-07 (GW-EB1-5-091411 - Water) | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| Acetone | EPA 8260B | 11I0730 | 10 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Benzene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Bromobenzene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Bromochloromethane | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Bromodichloromethane | EPA 8260B | 11I0730 | 0.50 | 3.4 | 1 | 9/20/2011 | 9/20/2011 | N1 |
| Bromoform | EPA 8260B | 11I0730 | 1.0 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Bromomethane | EPA 8260B | 11I0730 | 1.0 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 2-Butanone (MEK) | EPA 8260B | 11I0730 | 2.5 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| n-Butylbenzene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| sec-Butylbenzene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| tert-Butylbenzene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Carbon disulfide | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Carbon tetrachloride | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Chlorobenzene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Chloroethane | EPA 8260B | 11I0730 | 1.0 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Chloroform | EPA 8260B | 11I0730 | 0.50 | 6.8 | 1 | 9/20/2011 | 9/20/2011 | |
| Chloromethane | EPA 8260B | 11I0730 | 1.0 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 2-Chlorotoluene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 4-Chlorotoluene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Dibromochloromethane | EPA 8260B | 11I0730 | 0.50 | 2.0 | 1 | 9/20/2011 | 9/20/2011 | |
| 1,2-Dibromo-3-chloropropane | EPA 8260B | 11I0730 | 2.5 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,2-Dibromoethane (EDB) | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Dibromomethane | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,2-Dichlorobenzene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,3-Dichlorobenzene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,4-Dichlorobenzene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Dichlorodifluoromethane | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,1-Dichloroethane | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,2-Dichloroethane | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,1-Dichloroethene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| cis-1,2-Dichloroethene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| trans-1,2-Dichloroethene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,2-Dichloropropane | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,3-Dichloropropane | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 2,2-Dichloropropane | EPA 8260B | 11I0730 | 1.0 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,1-Dichloropropene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| cis-1,3-Dichloropropene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| trans-1,3-Dichloropropene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | N1 |
| Ethylbenzene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Hexachlorobutadiene | EPA 8260B | 11I0730 | 1.0 | ND | 1 | 9/20/2011 | 9/20/2011 | |

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0850

Sampled: 09/14/11
Received: 09/14/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0850-07 (GW-EB1-5-091411 - Water) - cont. | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| 2-Hexanone | EPA 8260B | 1110730 | 2.5 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Iodomethane | EPA 8260B | 1110730 | 2.5 | ND | 1 | 9/20/2011 | 9/20/2011 | L3 |
| Isopropylbenzene | EPA 8260B | 1110730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| p-Isopropyltoluene | EPA 8260B | 1110730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Methylene Chloride | EPA 8260B | 1110730 | 1.0 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 4-Methyl-2-pentanone (MIBK) | EPA 8260B | 1110730 | 2.5 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Methyl-tert-butyl Ether (MTBE) | EPA 8260B | 1110730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Naphthalene | EPA 8260B | 1110730 | 2.5 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| n-Propylbenzene | EPA 8260B | 1110730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Styrene | EPA 8260B | 1110730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,1,1,2-Tetrachloroethane | EPA 8260B | 1110730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,1,2,2-Tetrachloroethane | EPA 8260B | 1110730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Tetrachloroethene | EPA 8260B | 1110730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Toluene | EPA 8260B | 1110730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,2,3-Trichlorobenzene | EPA 8260B | 1110730 | 1.0 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,2,4-Trichlorobenzene | EPA 8260B | 1110730 | 1.0 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,1,1-Trichloroethane | EPA 8260B | 1110730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,1,2-Trichloroethane | EPA 8260B | 1110730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Trichloroethene | EPA 8260B | 1110730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Trichlorofluoromethane | EPA 8260B | 1110730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,2,3-Trichloropropane | EPA 8260B | 1110730 | 1.0 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,2,4-Trimethylbenzene | EPA 8260B | 1110730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,3,5-Trimethylbenzene | EPA 8260B | 1110730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Vinyl Acetate | EPA 8260B | 1110730 | 1.0 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Vinyl chloride | EPA 8260B | 1110730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Xylenes, Total | EPA 8260B | 1110730 | 1.5 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Freon 113 | EPA 8260B | 1110730 | 2.0 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Surrogate: Dibromofluoromethane (80-130%) | | | | 102 % | | | | |
| Surrogate: Toluene-d8 (80-120%) | | | | 95 % | | | | |
| Surrogate: 4-Bromofluorobenzene (80-125%) | | | | 96 % | | | | |

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0850

Sampled: 09/14/11
Received: 09/14/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0850-08 (GW-L1-5-091411 - Water) | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| Acetone | EPA 8260B | 11I0730 | 10 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Benzene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Bromobenzene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Bromochloromethane | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Bromodichloromethane | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | N1 |
| Bromoform | EPA 8260B | 11I0730 | 1.0 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Bromomethane | EPA 8260B | 11I0730 | 1.0 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 2-Butanone (MEK) | EPA 8260B | 11I0730 | 2.5 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| n-Butylbenzene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| sec-Butylbenzene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| tert-Butylbenzene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Carbon disulfide | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Carbon tetrachloride | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Chlorobenzene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Chloroethane | EPA 8260B | 11I0730 | 1.0 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Chloroform | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Chloromethane | EPA 8260B | 11I0730 | 1.0 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 2-Chlorotoluene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 4-Chlorotoluene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Dibromochloromethane | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,2-Dibromo-3-chloropropane | EPA 8260B | 11I0730 | 2.5 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,2-Dibromoethane (EDB) | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Dibromomethane | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,2-Dichlorobenzene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,3-Dichlorobenzene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,4-Dichlorobenzene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Dichlorodifluoromethane | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,1-Dichloroethane | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,2-Dichloroethane | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,1-Dichloroethene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| cis-1,2-Dichloroethene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| trans-1,2-Dichloroethene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,2-Dichloropropane | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,3-Dichloropropane | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 2,2-Dichloropropane | EPA 8260B | 11I0730 | 1.0 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,1-Dichloropropene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| cis-1,3-Dichloropropene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| trans-1,3-Dichloropropene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | N1 |
| Ethylbenzene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Hexachlorobutadiene | EPA 8260B | 11I0730 | 1.0 | ND | 1 | 9/20/2011 | 9/20/2011 | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
 7272 E. Indian School Rd., Ste. 100
 Scottsdale, AZ 85251
 Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0850

Sampled: 09/14/11
 Received: 09/14/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0850-08 (GW-L1-5-091411 - Water) - cont. | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| 2-Hexanone | EPA 8260B | 11I0730 | 2.5 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Iodomethane | EPA 8260B | 11I0730 | 2.5 | ND | 1 | 9/20/2011 | 9/20/2011 | L3 |
| Isopropylbenzene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| p-Isopropyltoluene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Methylene Chloride | EPA 8260B | 11I0730 | 1.0 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 4-Methyl-2-pentanone (MIBK) | EPA 8260B | 11I0730 | 2.5 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Methyl-tert-butyl Ether (MTBE) | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Naphthalene | EPA 8260B | 11I0730 | 2.5 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| n-Propylbenzene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Styrene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,1,1,2-Tetrachloroethane | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,1,2,2-Tetrachloroethane | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Tetrachloroethene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Toluene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,2,3-Trichlorobenzene | EPA 8260B | 11I0730 | 1.0 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,2,4-Trichlorobenzene | EPA 8260B | 11I0730 | 1.0 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,1,1-Trichloroethane | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,1,2-Trichloroethane | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Trichloroethene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Trichlorofluoromethane | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,2,3-Trichloropropane | EPA 8260B | 11I0730 | 1.0 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,2,4-Trimethylbenzene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| 1,3,5-Trimethylbenzene | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Vinyl Acetate | EPA 8260B | 11I0730 | 1.0 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Vinyl chloride | EPA 8260B | 11I0730 | 0.50 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Xylenes, Total | EPA 8260B | 11I0730 | 1.5 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Freon 113 | EPA 8260B | 11I0730 | 2.0 | ND | 1 | 9/20/2011 | 9/20/2011 | |
| Surrogate: Dibromofluoromethane (80-130%) | | | | | | | | 95 % |
| Surrogate: Toluene-d8 (80-120%) | | | | | | | | 96 % |
| Surrogate: 4-Bromofluorobenzene (80-125%) | | | | | | | | 91 % |

TestAmerica Phoenix

Kylie Emily
 Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0850

Sampled: 09/14/11
Received: 09/14/11

1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0850-01 (OU3-11M2-M-091411 - Water) | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| 1,4-Dioxane | EPA 8270C | 1110614 | 1.0 | ND | 1.06 | 9/17/2011 | 9/19/2011 | |
| Surrogate: 1,4-Dioxane-d8 (38.6-88.3%) | | | | 66 % | | | | |
| Surrogate: Nitrobenzene-d5 (59.9-120%) | | | | 85 % | | | | |
| Sample ID: PUI0850-02 (OU3-11M-M-091411 - Water) | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| 1,4-Dioxane | EPA 8270C | 1110614 | 1.0 | 1.1 | 1 | 9/17/2011 | 9/19/2011 | |
| Surrogate: 1,4-Dioxane-d8 (38.6-88.3%) | | | | 63 % | | | | |
| Surrogate: Nitrobenzene-d5 (59.9-120%) | | | | 87 % | | | | |
| Sample ID: PUI0850-03 (OU3-5M2-M-091411 - Water) | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| 1,4-Dioxane | EPA 8270C | 1110614 | 1.0 | 2.3 | 1 | 9/17/2011 | 9/19/2011 | |
| Surrogate: 1,4-Dioxane-d8 (38.6-88.3%) | | | | 71 % | | | | |
| Surrogate: Nitrobenzene-d5 (59.9-120%) | | | | 89 % | | | | |
| Sample ID: PUI0850-04 (OU3-5MR-M-091411 - Water) | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| 1,4-Dioxane | EPA 8270C | 1110614 | 1.0 | 2.1 | 1 | 9/17/2011 | 9/20/2011 | |
| Surrogate: 1,4-Dioxane-d8 (38.6-88.3%) | | | | 62 % | | | | |
| Surrogate: Nitrobenzene-d5 (59.9-120%) | | | | 75 % | | | | |
| Sample ID: PUI0850-05 (OU3-5MR-M-091411-Q1 - Water) | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| 1,4-Dioxane | EPA 8270C | 1110614 | 1.0 | 2.1 | 1 | 9/17/2011 | 9/20/2011 | |
| Surrogate: 1,4-Dioxane-d8 (38.6-88.3%) | | | | 64 % | | | | |
| Surrogate: Nitrobenzene-d5 (59.9-120%) | | | | 87 % | | | | |
| Sample ID: PUI0850-06 (OU3-5DR-D-091411 - Water) | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| 1,4-Dioxane | EPA 8270C | 1110614 | 1.0 | ND | 1 | 9/17/2011 | 9/20/2011 | |
| Surrogate: 1,4-Dioxane-d8 (38.6-88.3%) | | | | 60 % | | | | |
| Surrogate: Nitrobenzene-d5 (59.9-120%) | | | | 75 % | | | | |
| Sample ID: PUI0850-07 (GW-EB1-5-091411 - Water) | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| 1,4-Dioxane | EPA 8270C | 1110614 | 1.0 | ND | 1 | 9/17/2011 | 9/20/2011 | |
| Surrogate: 1,4-Dioxane-d8 (38.6-88.3%) | | | | 63 % | | | | |
| Surrogate: Nitrobenzene-d5 (59.9-120%) | | | | 81 % | | | | |

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Project Manager

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Environmental Resources Management Inc.-West
 7272 E. Indian School Rd., Ste. 100
 Scottsdale, AZ 85251
 Attention: Jason Hilker

Project ID: OU3 0096498.030
 Report Number: PUI0850

Sampled: 09/14/11
 Received: 09/14/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | RPD Limits | RPD RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------|-----------|------------|---------|-----------|-----------------|
| Batch: 11I0653 Extracted: 09/19/11 | | | | | | | | | | |
| Blank Analyzed: 09/19/2011 (11I0653-BLK1) | | | | | | | | | | |
| Acetone | ND | 10 | ug/l | | | | | | | |
| Benzene | ND | 0.50 | ug/l | | | | | | | |
| Bromobenzene | ND | 0.50 | ug/l | | | | | | | |
| Bromochloromethane | ND | 0.50 | ug/l | | | | | | | |
| Bromodichloromethane | ND | 0.50 | ug/l | | | | | | | |
| Bromoform | ND | 1.0 | ug/l | | | | | | | |
| Bromomethane | ND | 1.0 | ug/l | | | | | | | |
| 2-Butanone (MEK) | ND | 2.5 | ug/l | | | | | | | |
| n-Butylbenzene | ND | 0.50 | ug/l | | | | | | | |
| sec-Butylbenzene | ND | 0.50 | ug/l | | | | | | | |
| tert-Butylbenzene | ND | 0.50 | ug/l | | | | | | | |
| Carbon disulfide | ND | 0.50 | ug/l | | | | | | | |
| Carbon tetrachloride | ND | 0.50 | ug/l | | | | | | | |
| Chlorobenzene | ND | 0.50 | ug/l | | | | | | | |
| Chloroethane | ND | 1.0 | ug/l | | | | | | | |
| Chloroform | ND | 0.50 | ug/l | | | | | | | |
| Chloromethane | ND | 1.0 | ug/l | | | | | | | |
| 2-Chlorotoluene | ND | 0.50 | ug/l | | | | | | | |
| 4-Chlorotoluene | ND | 0.50 | ug/l | | | | | | | |
| Dibromochloromethane | ND | 0.50 | ug/l | | | | | | | |
| 1,2-Dibromo-3-chloropropane | ND | 2.5 | ug/l | | | | | | | |
| 1,2-Dibromoethane (EDB) | ND | 0.50 | ug/l | | | | | | | |
| Dibromomethane | ND | 0.50 | ug/l | | | | | | | |
| 1,2-Dichlorobenzene | ND | 0.50 | ug/l | | | | | | | |
| 1,3-Dichlorobenzene | ND | 0.50 | ug/l | | | | | | | |
| 1,4-Dichlorobenzene | ND | 0.50 | ug/l | | | | | | | |
| Dichlorodifluoromethane | ND | 0.50 | ug/l | | | | | | | |
| 1,1-Dichloroethane | ND | 0.50 | ug/l | | | | | | | |
| 1,2-Dichloroethane | ND | 0.50 | ug/l | | | | | | | |
| 1,1-Dichloroethene | ND | 0.50 | ug/l | | | | | | | |
| cis-1,2-Dichloroethene | ND | 0.50 | ug/l | | | | | | | |
| trans-1,2-Dichloroethene | ND | 0.50 | ug/l | | | | | | | |
| 1,2-Dichloropropane | ND | 0.50 | ug/l | | | | | | | |
| 1,3-Dichloropropane | ND | 0.50 | ug/l | | | | | | | |
| 2,2-Dichloropropane | ND | 1.0 | ug/l | | | | | | | |

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0850

Sampled: 09/14/11

Received: 09/14/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------|-----------|-------------|---------|-----------|-----------------|
| Batch: 1110653 Extracted: 09/19/11 | | | | | | | | | | |
| Blank Analyzed: 09/19/2011 (1110653-BLK1) | | | | | | | | | | |
| 1,1-Dichloropropene | ND | 0.50 | ug/l | | | | | | | |
| cis-1,3-Dichloropropene | ND | 0.50 | ug/l | | | | | | | |
| trans-1,3-Dichloropropene | ND | 0.50 | ug/l | | | | | | | |
| Ethylbenzene | ND | 0.50 | ug/l | | | | | | | |
| Hexachlorobutadiene | ND | 1.0 | ug/l | | | | | | | |
| 2-Hexanone | ND | 2.5 | ug/l | | | | | | | |
| Iodomethane | ND | 2.5 | ug/l | | | | | | | |
| Isopropylbenzene | ND | 0.50 | ug/l | | | | | | | |
| p-Isopropyltoluene | ND | 0.50 | ug/l | | | | | | | |
| Methylene Chloride | ND | 1.0 | ug/l | | | | | | | |
| 4-Methyl-2-pentanone (MIBK) | ND | 2.5 | ug/l | | | | | | | |
| Methyl-tert-butyl Ether (MTBE) | ND | 0.50 | ug/l | | | | | | | |
| Naphthalene | ND | 2.5 | ug/l | | | | | | | |
| n-Propylbenzene | ND | 0.50 | ug/l | | | | | | | |
| Styrene | ND | 0.50 | ug/l | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 0.50 | ug/l | | | | | | | |
| 1,1,2,2-Tetrachloroethane | ND | 0.50 | ug/l | | | | | | | |
| Tetrachloroethene | ND | 0.50 | ug/l | | | | | | | |
| Toluene | ND | 0.50 | ug/l | | | | | | | |
| 1,2,3-Trichlorobenzene | ND | 1.0 | ug/l | | | | | | | |
| 1,2,4-Trichlorobenzene | ND | 1.0 | ug/l | | | | | | | |
| 1,1,1-Trichloroethane | ND | 0.50 | ug/l | | | | | | | |
| 1,1,2-Trichloroethane | ND | 0.50 | ug/l | | | | | | | |
| Trichloroethene | ND | 0.50 | ug/l | | | | | | | |
| Trichlorofluoromethane | ND | 0.50 | ug/l | | | | | | | |
| 1,2,3-Trichloropropane | ND | 1.0 | ug/l | | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 0.50 | ug/l | | | | | | | |
| 1,3,5-Trimethylbenzene | ND | 0.50 | ug/l | | | | | | | |
| Vinyl Acetate | ND | 1.0 | ug/l | | | | | | | |
| Vinyl chloride | ND | 0.50 | ug/l | | | | | | | |
| Xylenes, Total | ND | 1.5 | ug/l | | | | | | | |
| Freon 113 | ND | 2.0 | ug/l | | | | | | | |
| Surrogate: Dibromofluoromethane | 23.8 | | ug/l | 25.0 | | 95 | 80-130 | | | |
| Surrogate: Toluene-d8 | 24.9 | | ug/l | 25.0 | | 100 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 22.8 | | ug/l | 25.0 | | 91 | 80-125 | | | |

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0850

Sampled: 09/14/11
Received: 09/14/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-----------------|
| Batch: 1110653 Extracted: 09/19/11 | | | | | | | | | | |
| LCS Analyzed: 09/19/2011 (1110653-BS1) | | | | | | | | | | |
| Acetone | 20.5 | 10 | ug/l | 25.0 | | 82 | 10-150 | | | |
| Benzene | 24.8 | 0.50 | ug/l | 25.0 | | 99 | 80-120 | | | |
| Bromobenzene | 25.3 | 0.50 | ug/l | 25.0 | | 101 | 80-120 | | | |
| Bromochloromethane | 23.2 | 0.50 | ug/l | 25.0 | | 93 | 80-125 | | | |
| Bromodichloromethane | 21.0 | 0.50 | ug/l | 25.0 | | 84 | 80-120 | | | |
| Bromoform | 23.4 | 1.0 | ug/l | 25.0 | | 94 | 75-130 | | | |
| Bromomethane | 23.6 | 1.0 | ug/l | 25.0 | | 95 | 55-150 | | | |
| 2-Butanone (MEK) | 18.8 | 2.5 | ug/l | 25.0 | | 75 | 40-150 | | | |
| n-Butylbenzene | 23.9 | 0.50 | ug/l | 25.0 | | 96 | 80-130 | | | |
| sec-Butylbenzene | 25.3 | 0.50 | ug/l | 25.0 | | 101 | 80-125 | | | |
| tert-Butylbenzene | 24.8 | 0.50 | ug/l | 25.0 | | 99 | 80-120 | | | |
| Carbon disulfide | 23.3 | 0.50 | ug/l | 25.0 | | 93 | 70-140 | | | |
| Carbon tetrachloride | 24.9 | 0.50 | ug/l | 25.0 | | 100 | 75-130 | | | |
| Chlorobenzene | 25.7 | 0.50 | ug/l | 25.0 | | 103 | 80-120 | | | |
| Chloroethane | 22.0 | 1.0 | ug/l | 25.0 | | 88 | 70-130 | | | |
| Chloroform | 22.2 | 0.50 | ug/l | 25.0 | | 89 | 75-120 | | | |
| Chloromethane | 19.4 | 1.0 | ug/l | 25.0 | | 77 | 60-140 | | | |
| 2-Chlorotoluene | 23.7 | 0.50 | ug/l | 25.0 | | 95 | 80-120 | | | |
| 4-Chlorotoluene | 23.4 | 0.50 | ug/l | 25.0 | | 94 | 80-120 | | | |
| Dibromochloromethane | 22.5 | 0.50 | ug/l | 25.0 | | 90 | 80-120 | | | |
| 1,2-Dibromo-3-chloropropane | 21.8 | 2.5 | ug/l | 25.0 | | 87 | 50-150 | | | |
| 1,2-Dibromoethane (EDB) | 23.0 | 0.50 | ug/l | 25.0 | | 92 | 80-120 | | | |
| Dibromomethane | 23.8 | 0.50 | ug/l | 25.0 | | 95 | 75-120 | | | |
| 1,2-Dichlorobenzene | 25.1 | 0.50 | ug/l | 25.0 | | 100 | 80-120 | | | |
| 1,3-Dichlorobenzene | 26.0 | 0.50 | ug/l | 25.0 | | 104 | 80-120 | | | |
| 1,4-Dichlorobenzene | 25.5 | 0.50 | ug/l | 25.0 | | 102 | 80-120 | | | |
| Dichlorodifluoromethane | 19.3 | 0.50 | ug/l | 25.0 | | 77 | 60-150 | | | |
| 1,1-Dichloroethane | 22.4 | 0.50 | ug/l | 25.0 | | 89 | 70-125 | | | |
| 1,2-Dichloroethane | 20.6 | 0.50 | ug/l | 25.0 | | 83 | 75-130 | | | |
| 1,1-Dichloroethene | 23.1 | 0.50 | ug/l | 25.0 | | 92 | 75-125 | | | |
| cis-1,2-Dichloroethene | 21.8 | 0.50 | ug/l | 25.0 | | 87 | 80-120 | | | |
| trans-1,2-Dichloroethene | 22.4 | 0.50 | ug/l | 25.0 | | 90 | 80-120 | | | |
| 1,2-Dichloropropane | 22.6 | 0.50 | ug/l | 25.0 | | 91 | 80-120 | | | |
| 1,3-Dichloropropane | 22.2 | 0.50 | ug/l | 25.0 | | 89 | 80-120 | | | |
| 2,2-Dichloropropane | 21.0 | 1.0 | ug/l | 25.0 | | 84 | 75-130 | | | |

TestAmerica Phoenix

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0850

Sampled: 09/14/11
Received: 09/14/11

METHOD BLANK/OC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-----------------|
| Batch: 1110653 Extracted: 09/19/11 | | | | | | | | | | |
| LCS Analyzed: 09/19/2011 (1110653-BS1) | | | | | | | | | | |
| 1,1-Dichloropropene | 22.6 | 0.50 | ug/l | 25.0 | | 90 | 75-120 | | | |
| cis-1,3-Dichloropropene | 21.9 | 0.50 | ug/l | 25.0 | | 88 | 80-120 | | | |
| trans-1,3-Dichloropropene | 20.5 | 0.50 | ug/l | 25.0 | | 82 | 80-125 | | | |
| Ethylbenzene | 24.8 | 0.50 | ug/l | 25.0 | | 99 | 80-120 | | | |
| Hexachlorobutadiene | 25.1 | 1.0 | ug/l | 25.0 | | 100 | 40-150 | | | |
| 2-Hexanone | 18.7 | 2.5 | ug/l | 25.0 | | 75 | 20-150 | | | |
| Iodomethane | 30.7 | 2.5 | ug/l | 25.0 | | 123 | 80-130 | | | |
| Isopropylbenzene | 26.4 | 0.50 | ug/l | 25.0 | | 105 | 80-130 | | | |
| p-Isopropyltoluene | 24.8 | 0.50 | ug/l | 25.0 | | 99 | 80-130 | | | |
| Methylene Chloride | 21.2 | 1.0 | ug/l | 25.0 | | 85 | 70-120 | | | |
| 4-Methyl-2-pentanone (MIBK) | 18.0 | 2.5 | ug/l | 25.0 | | 72 | 60-135 | | | |
| Methyl-tert-butyl Ether (MTBE) | 19.0 | 0.50 | ug/l | 25.0 | | 76 | 70-130 | | | |
| Naphthalene | 21.9 | 2.5 | ug/l | 25.0 | | 88 | 40-150 | | | |
| n-Propylbenzene | 25.0 | 0.50 | ug/l | 25.0 | | 100 | 75-130 | | | |
| Styrene | 22.4 | 0.50 | ug/l | 25.0 | | 90 | 80-120 | | | |
| 1,1,1,2-Tetrachloroethane | 24.7 | 0.50 | ug/l | 25.0 | | 99 | 75-125 | | | |
| 1,1,2,2-Tetrachloroethane | 22.4 | 0.50 | ug/l | 25.0 | | 90 | 80-120 | | | |
| Tetrachloroethene | 27.2 | 0.50 | ug/l | 25.0 | | 109 | 70-130 | | | |
| Toluene | 24.4 | 0.50 | ug/l | 25.0 | | 97 | 80-120 | | | |
| 1,2,3-Trichlorobenzene | 24.5 | 1.0 | ug/l | 25.0 | | 98 | 55-150 | | | |
| 1,2,4-Trichlorobenzene | 24.8 | 1.0 | ug/l | 25.0 | | 99 | 50-150 | | | |
| 1,1,1-Trichloroethane | 23.6 | 0.50 | ug/l | 25.0 | | 95 | 75-125 | | | |
| 1,1,2-Trichloroethane | 23.0 | 0.50 | ug/l | 25.0 | | 92 | 80-120 | | | |
| Trichloroethene | 24.9 | 0.50 | ug/l | 25.0 | | 99 | 80-120 | | | |
| Trichlorofluoromethane | 22.0 | 0.50 | ug/l | 25.0 | | 88 | 70-150 | | | |
| 1,2,3-Trichloropropane | 21.8 | 1.0 | ug/l | 25.0 | | 87 | 70-130 | | | |
| 1,2,4-Trimethylbenzene | 24.6 | 0.50 | ug/l | 25.0 | | 98 | 80-120 | | | |
| 1,3,5-Trimethylbenzene | 25.0 | 0.50 | ug/l | 25.0 | | 100 | 80-130 | | | |
| Vinyl Acetate | 19.7 | 1.0 | ug/l | 25.0 | | 79 | 40-150 | | | |
| Vinyl chloride | 22.6 | 0.50 | ug/l | 25.0 | | 91 | 70-130 | | | |
| Xylenes, Total | 49.8 | 1.5 | ug/l | 50.0 | | 100 | 60-140 | | | |
| Freon 113 | 23.3 | 2.0 | ug/l | 25.0 | | 93 | 60-140 | | | |
| Surrogate: Dibromofluoromethane | 23.5 | | ug/l | 25.0 | | 94 | 80-130 | | | |
| Surrogate: Toluene-d8 | 24.6 | | ug/l | 25.0 | | 98 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 24.4 | | ug/l | 25.0 | | 97 | 80-125 | | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0850

Sampled: 09/14/11
Received: 09/14/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-----------------|
| Batch: 11I0653 Extracted: 09/19/11 | | | | | | | | | | |
| LCS Dup Analyzed: 09/19/2011 (11I0653-BSD1) | | | | | | | | | | |
| Acetone | 20.4 | 10 | ug/l | 25.0 | | 82 | 10-150 | 0.4 | 35 | |
| Benzene | 24.0 | 0.50 | ug/l | 25.0 | | 96 | 80-120 | 3 | 15 | |
| Bromobenzene | 23.6 | 0.50 | ug/l | 25.0 | | 95 | 80-120 | 7 | 15 | |
| Bromochloromethane | 22.4 | 0.50 | ug/l | 25.0 | | 90 | 80-125 | 3 | 15 | |
| Bromodichloromethane | 19.7 | 0.50 | ug/l | 25.0 | | 79 | 80-120 | 6 | 15 | NI |
| Bromoform | 21.7 | 1.0 | ug/l | 25.0 | | 87 | 75-130 | 8 | 20 | |
| Bromomethane | 23.4 | 1.0 | ug/l | 25.0 | | 94 | 55-150 | 0.9 | 20 | |
| 2-Butanone (MEK) | 19.6 | 2.5 | ug/l | 25.0 | | 79 | 40-150 | 4 | 35 | |
| n-Butylbenzene | 22.9 | 0.50 | ug/l | 25.0 | | 92 | 80-130 | 5 | 15 | |
| sec-Butylbenzene | 23.8 | 0.50 | ug/l | 25.0 | | 95 | 80-125 | 6 | 15 | |
| tert-Butylbenzene | 23.2 | 0.50 | ug/l | 25.0 | | 93 | 80-120 | 7 | 15 | |
| Carbon disulfide | 22.7 | 0.50 | ug/l | 25.0 | | 91 | 70-140 | 3 | 15 | |
| Carbon tetrachloride | 23.9 | 0.50 | ug/l | 25.0 | | 95 | 75-130 | 4 | 20 | |
| Chlorobenzene | 25.2 | 0.50 | ug/l | 25.0 | | 101 | 80-120 | 2 | 15 | |
| Chloroethane | 20.2 | 1.0 | ug/l | 25.0 | | 81 | 70-130 | 8 | 15 | |
| Chloroform | 21.0 | 0.50 | ug/l | 25.0 | | 84 | 75-120 | 6 | 15 | |
| Chloromethane | 18.4 | 1.0 | ug/l | 25.0 | | 74 | 60-140 | 5 | 20 | |
| 2-Chlorotoluene | 22.2 | 0.50 | ug/l | 25.0 | | 89 | 80-120 | 6 | 15 | |
| 4-Chlorotoluene | 22.2 | 0.50 | ug/l | 25.0 | | 89 | 80-120 | 5 | 15 | |
| Dibromochloromethane | 21.6 | 0.50 | ug/l | 25.0 | | 86 | 80-120 | 4 | 15 | |
| 1,2-Dibromo-3-chloropropane | 19.8 | 2.5 | ug/l | 25.0 | | 79 | 50-150 | 10 | 35 | |
| 1,2-Dibromoethane (EDB) | 22.6 | 0.50 | ug/l | 25.0 | | 90 | 80-120 | 2 | 15 | |
| Dibromomethane | 22.1 | 0.50 | ug/l | 25.0 | | 88 | 75-120 | 8 | 15 | |
| 1,2-Dichlorobenzene | 23.4 | 0.50 | ug/l | 25.0 | | 94 | 80-120 | 7 | 15 | |
| 1,3-Dichlorobenzene | 24.0 | 0.50 | ug/l | 25.0 | | 96 | 80-120 | 8 | 15 | |
| 1,4-Dichlorobenzene | 23.7 | 0.50 | ug/l | 25.0 | | 95 | 80-120 | 7 | 15 | |
| Dichlorodifluoromethane | 18.6 | 0.50 | ug/l | 25.0 | | 74 | 60-150 | 4 | 30 | |
| 1,1-Dichloroethane | 22.1 | 0.50 | ug/l | 25.0 | | 88 | 70-125 | 1 | 15 | |
| 1,2-Dichloroethane | 19.5 | 0.50 | ug/l | 25.0 | | 78 | 75-130 | 6 | 15 | |
| 1,1-Dichloroethene | 23.4 | 0.50 | ug/l | 25.0 | | 94 | 75-125 | 1 | 20 | |
| cis-1,2-Dichloroethene | 20.4 | 0.50 | ug/l | 25.0 | | 82 | 80-120 | 6 | 15 | |
| trans-1,2-Dichloroethene | 22.3 | 0.50 | ug/l | 25.0 | | 89 | 80-120 | 0.4 | 15 | |
| 1,2-Dichloropropane | 21.6 | 0.50 | ug/l | 25.0 | | 86 | 80-120 | 5 | 15 | |
| 1,3-Dichloropropane | 20.0 | 0.50 | ug/l | 25.0 | | 80 | 80-120 | 11 | 15 | |
| 2,2-Dichloropropane | 20.6 | 1.0 | ug/l | 25.0 | | 83 | 75-130 | 2 | 15 | |

TestAmerica Phoenix

Kylie Emily
Project Manager

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030
Report Number: PUI0850

Sampled: 09/14/11
Received: 09/14/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------|-----------|--------|-----|-----------|-----------------|
| Batch: 1110653 Extracted: 09/19/11 | | | | | | | | | | |
| LCS Dup Analyzed: 09/19/2011 (1110653-BSD1) | | | | | | | | | | |
| 1,1-Dichloropropene | 22.2 | 0.50 | ug/l | 25.0 | | 89 | 75-120 | 2 | 15 | |
| cis-1,3-Dichloropropene | 19.8 | 0.50 | ug/l | 25.0 | | 79 | 80-120 | 10 | 15 | NI |
| trans-1,3-Dichloropropene | 18.8 | 0.50 | ug/l | 25.0 | | 75 | 80-125 | 9 | 15 | NI |
| Ethylbenzene | 24.5 | 0.50 | ug/l | 25.0 | | 98 | 80-120 | 1 | 15 | |
| Hexachlorobutadiene | 23.5 | 1.0 | ug/l | 25.0 | | 94 | 40-150 | 6 | 35 | |
| 2-Hexanone | 17.8 | 2.5 | ug/l | 25.0 | | 71 | 20-150 | 5 | 35 | |
| Iodomethane | 31.4 | 2.5 | ug/l | 25.0 | | 126 | 80-130 | 2 | 10 | |
| Isopropylbenzene | 24.8 | 0.50 | ug/l | 25.0 | | 99 | 80-130 | 6 | 15 | |
| p-Isopropyltoluene | 23.5 | 0.50 | ug/l | 25.0 | | 94 | 80-130 | 5 | 15 | |
| Methylene Chloride | 22.8 | 1.0 | ug/l | 25.0 | | 91 | 70-120 | 7 | 15 | |
| 4-Methyl-2-pentanone (MIBK) | 16.6 | 2.5 | ug/l | 25.0 | | 66 | 60-135 | 8 | 25 | |
| Methyl-tert-butyl Ether (MTBE) | 18.2 | 0.50 | ug/l | 25.0 | | 73 | 70-130 | 4 | 20 | |
| Naphthalene | 20.9 | 2.5 | ug/l | 25.0 | | 84 | 40-150 | 5 | 30 | |
| n-Propylbenzene | 23.6 | 0.50 | ug/l | 25.0 | | 95 | 75-130 | 6 | 15 | |
| Styrene | 21.4 | 0.50 | ug/l | 25.0 | | 86 | 80-120 | 4 | 15 | |
| 1,1,1,2-Tetrachloroethane | 24.0 | 0.50 | ug/l | 25.0 | | 96 | 75-125 | 3 | 15 | |
| 1,1,2,2-Tetrachloroethane | 20.8 | 0.50 | ug/l | 25.0 | | 83 | 80-120 | 8 | 20 | |
| Tetrachloroethene | 22.2 | 0.50 | ug/l | 25.0 | | 89 | 70-130 | 20 | 20 | |
| Toluene | 23.3 | 0.50 | ug/l | 25.0 | | 93 | 80-120 | 4 | 15 | |
| 1,2,3-Trichlorobenzene | 23.5 | 1.0 | ug/l | 25.0 | | 94 | 55-150 | 4 | 35 | |
| 1,2,4-Trichlorobenzene | 22.9 | 1.0 | ug/l | 25.0 | | 91 | 50-150 | 8 | 30 | |
| 1,1,1-Trichloroethane | 22.2 | 0.50 | ug/l | 25.0 | | 89 | 75-125 | 6 | 15 | |
| 1,1,2-Trichloroethane | 20.5 | 0.50 | ug/l | 25.0 | | 82 | 80-120 | 11 | 15 | |
| Trichloroethene | 23.3 | 0.50 | ug/l | 25.0 | | 93 | 80-120 | 6 | 15 | |
| Trichlorofluoromethane | 21.9 | 0.50 | ug/l | 25.0 | | 88 | 70-150 | 0.6 | 25 | |
| 1,2,3-Trichloropropane | 19.6 | 1.0 | ug/l | 25.0 | | 79 | 70-130 | 10 | 20 | |
| 1,2,4-Trimethylbenzene | 23.1 | 0.50 | ug/l | 25.0 | | 93 | 80-120 | 6 | 15 | |
| 1,3,5-Trimethylbenzene | 23.4 | 0.50 | ug/l | 25.0 | | 93 | 80-130 | 7 | 15 | |
| Vinyl Acetate | 18.2 | 1.0 | ug/l | 25.0 | | 73 | 40-150 | 8 | 25 | |
| Vinyl chloride | 21.0 | 0.50 | ug/l | 25.0 | | 84 | 70-130 | 8 | 20 | |
| Xylenes, Total | 48.5 | 1.5 | ug/l | 50.0 | | 97 | 60-140 | 3 | 15 | |
| Freon 113 | 23.9 | 2.0 | ug/l | 25.0 | | 96 | 60-140 | 3 | 15 | |
| Surrogate: Dibromofluoromethane | 23.1 | | ug/l | 25.0 | | 93 | 80-130 | | | |
| Surrogate: Toluene-d8 | 24.3 | | ug/l | 25.0 | | 97 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 24.2 | | ug/l | 25.0 | | 97 | 80-125 | | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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PUI0850 <Page 25 of 42>

Environmental Resources Management Inc.-West
 7272 E. Indian School Rd., Ste. 100
 Scottsdale, AZ 85251
 Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0850

Sampled: 09/14/11
 Received: 09/14/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | Limit | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------------------|-----------|--------|-----|-----------|-----------------|
| Batch: 1110653 Extracted: 09/19/11 | | | | | | | | | | |
| Matrix Spike Analyzed: 09/19/2011 (1110653-MS1) | | | | | Source: PUI0739-01 | | | | | |
| Acetone | 13.3 | 10 | ug/l | 25.0 | ND | 53 | 10-150 | | | |
| Benzene | 23.8 | 0.50 | ug/l | 25.0 | ND | 95 | 70-125 | | | |
| Bromobenzene | 23.9 | 0.50 | ug/l | 25.0 | ND | 96 | 75-120 | | | |
| Bromochloromethane | 21.1 | 0.50 | ug/l | 25.0 | ND | 85 | 75-130 | | | |
| Bromodichloromethane | 19.6 | 0.50 | ug/l | 25.0 | ND | 79 | 75-125 | | | |
| Bromoform | 21.9 | 1.0 | ug/l | 25.0 | ND | 88 | 65-125 | | | |
| Bromomethane | 24.1 | 1.0 | ug/l | 25.0 | ND | 96 | 45-150 | | | |
| 2-Butanone (MEK) | 16.9 | 2.5 | ug/l | 25.0 | ND | 68 | 15-150 | | | |
| n-Butylbenzene | 22.5 | 0.50 | ug/l | 25.0 | ND | 90 | 70-130 | | | |
| sec-Butylbenzene | 23.8 | 0.50 | ug/l | 25.0 | ND | 95 | 70-125 | | | |
| tert-Butylbenzene | 23.5 | 0.50 | ug/l | 25.0 | ND | 94 | 70-125 | | | |
| Carbon disulfide | 23.1 | 0.50 | ug/l | 25.0 | ND | 92 | 65-145 | | | |
| Carbon tetrachloride | 24.4 | 0.50 | ug/l | 25.0 | ND | 97 | 65-135 | | | |
| Chlorobenzene | 24.8 | 0.50 | ug/l | 25.0 | ND | 99 | 75-120 | | | |
| Chloroethane | 20.6 | 1.0 | ug/l | 25.0 | ND | 82 | 65-140 | | | |
| Chloroform | 22.8 | 0.50 | ug/l | 25.0 | 1.18 | 86 | 70-130 | | | |
| Chloromethane | 18.0 | 1.0 | ug/l | 25.0 | ND | 72 | 55-145 | | | |
| 2-Chlorotoluene | 23.0 | 0.50 | ug/l | 25.0 | ND | 92 | 70-125 | | | |
| 4-Chlorotoluene | 22.8 | 0.50 | ug/l | 25.0 | ND | 91 | 70-125 | | | |
| Dibromochloromethane | 20.6 | 0.50 | ug/l | 25.0 | ND | 82 | 70-130 | | | |
| 1,2-Dibromo-3-chloropropane | 19.6 | 2.5 | ug/l | 25.0 | ND | 79 | 50-150 | | | |
| 1,2-Dibromoethane (EDB) | 21.2 | 0.50 | ug/l | 25.0 | ND | 85 | 70-125 | | | |
| Dibromomethane | 20.3 | 0.50 | ug/l | 25.0 | ND | 81 | 70-120 | | | |
| 1,2-Dichlorobenzene | 23.0 | 0.50 | ug/l | 25.0 | ND | 92 | 75-120 | | | |
| 1,3-Dichlorobenzene | 23.8 | 0.50 | ug/l | 25.0 | ND | 95 | 75-120 | | | |
| 1,4-Dichlorobenzene | 23.3 | 0.50 | ug/l | 25.0 | ND | 93 | 70-125 | | | |
| Dichlorodifluoromethane | 19.0 | 0.50 | ug/l | 25.0 | ND | 76 | 60-150 | | | |
| 1,1-Dichloroethane | 26.6 | 0.50 | ug/l | 25.0 | 5.41 | 85 | 70-130 | | | |
| 1,2-Dichloroethane | 19.2 | 0.50 | ug/l | 25.0 | ND | 77 | 65-140 | | | |
| 1,1-Dichloroethene | 32.3 | 0.50 | ug/l | 25.0 | 9.41 | 91 | 70-130 | | | |
| cis-1,2-Dichloroethene | 27.4 | 0.50 | ug/l | 25.0 | 6.93 | 82 | 70-125 | | | |
| trans-1,2-Dichloroethene | 22.3 | 0.50 | ug/l | 25.0 | ND | 89 | 75-125 | | | |
| 1,2-Dichloropropane | 21.4 | 0.50 | ug/l | 25.0 | ND | 86 | 75-125 | | | |
| 1,3-Dichloropropane | 21.4 | 0.50 | ug/l | 25.0 | ND | 86 | 70-120 | | | |
| 2,2-Dichloropropane | 20.8 | 1.0 | ug/l | 25.0 | ND | 83 | 65-140 | | | |

TestAmerica Phoenix

Kylie Emily
 Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0850

Sampled: 09/14/11
Received: 09/14/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------------------|------|-------------|-----|-----------|-----------------|
| Batch: 1110653 Extracted: 09/19/11 | | | | | | | | | | |
| Matrix Spike Analyzed: 09/19/2011 (1110653-MS1) | | | | | Source: PUI0739-01 | | | | | |
| 1,1-Dichloropropene | 21.8 | 0.50 | ug/l | 25.0 | ND | 87 | 65-130 | | | |
| cis-1,3-Dichloropropene | 20.1 | 0.50 | ug/l | 25.0 | ND | 80 | 75-130 | | | |
| trans-1,3-Dichloropropene | 19.2 | 0.50 | ug/l | 25.0 | ND | 77 | 70-130 | | | |
| Ethylbenzene | 24.1 | 0.50 | ug/l | 25.0 | ND | 96 | 70-125 | | | |
| Hexachlorobutadiene | 17.6 | 1.0 | ug/l | 25.0 | ND | 70 | 40-150 | | | |
| 2-Hexanone | 14.8 | 2.5 | ug/l | 25.0 | ND | 59 | 20-150 | | | |
| Iodomethane | 32.0 | 2.5 | ug/l | 25.0 | ND | 128 | 60-150 | | | |
| Isopropylbenzene | 25.4 | 0.50 | ug/l | 25.0 | ND | 102 | 75-130 | | | |
| p-Isopropyltoluene | 23.4 | 0.50 | ug/l | 25.0 | ND | 93 | 70-130 | | | |
| Methylene Chloride | 23.1 | 1.0 | ug/l | 25.0 | ND | 92 | 65-130 | | | |
| 4-Methyl-2-pentanone (MIBK) | 15.8 | 2.5 | ug/l | 25.0 | ND | 63 | 55-135 | | | |
| Methyl-tert-butyl Ether (MTBE) | 16.8 | 0.50 | ug/l | 25.0 | ND | 67 | 65-140 | | | |
| Naphthalene | 17.3 | 2.5 | ug/l | 25.0 | ND | 69 | 40-150 | | | |
| n-Propylbenzene | 24.3 | 0.50 | ug/l | 25.0 | ND | 97 | 70-130 | | | |
| Styrene | 19.9 | 0.50 | ug/l | 25.0 | ND | 80 | 55-135 | | | |
| 1,1,1,2-Tetrachloroethane | 23.4 | 0.50 | ug/l | 25.0 | ND | 93 | 70-125 | | | |
| 1,1,2,2-Tetrachloroethane | 20.4 | 0.50 | ug/l | 25.0 | ND | 82 | 70-125 | | | |
| Tetrachloroethene | 28.2 | 0.50 | ug/l | 25.0 | 1.94 | 105 | 65-130 | | | |
| Toluene | 24.8 | 0.50 | ug/l | 25.0 | 0.370 | 98 | 70-125 | | | |
| 1,2,3-Trichlorobenzene | 19.9 | 1.0 | ug/l | 25.0 | ND | 80 | 50-150 | | | |
| 1,2,4-Trichlorobenzene | 20.8 | 1.0 | ug/l | 25.0 | ND | 83 | 50-150 | | | |
| 1,1,1-Trichloroethane | 22.7 | 0.50 | ug/l | 25.0 | ND | 91 | 70-130 | | | |
| 1,1,2-Trichloroethane | 20.6 | 0.50 | ug/l | 25.0 | ND | 83 | 75-125 | | | |
| Trichloroethene | 56.9 | 0.50 | ug/l | 25.0 | 35.3 | 87 | 70-125 | | | |
| Trichlorofluoromethane | 22.4 | 0.50 | ug/l | 25.0 | 0.160 | 89 | 65-150 | | | |
| 1,2,3-Trichloropropane | 18.9 | 1.0 | ug/l | 25.0 | ND | 76 | 70-130 | | | |
| 1,2,4-Trimethylbenzene | 23.2 | 0.50 | ug/l | 25.0 | ND | 93 | 70-125 | | | |
| 1,3,5-Trimethylbenzene | 23.6 | 0.50 | ug/l | 25.0 | ND | 95 | 75-130 | | | |
| Vinyl Acetate | 16.8 | 1.0 | ug/l | 25.0 | ND | 67 | 40-150 | | | |
| Vinyl chloride | 21.4 | 0.50 | ug/l | 25.0 | ND | 86 | 60-140 | | | |
| Xylenes, Total | 47.2 | 1.5 | ug/l | 50.0 | ND | 94 | 75-120 | | | |
| Freon 113 | 24.6 | 2.0 | ug/l | 25.0 | ND | 98 | 65-140 | | | |
| Surrogate: Dibromofluoromethane | 23.3 | | ug/l | 25.0 | | 93 | 80-130 | | | |
| Surrogate: Toluene-d8 | 25.3 | | ug/l | 25.0 | | 101 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 24.1 | | ug/l | 25.0 | | 96 | 80-125 | | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0850

Sampled: 09/14/11
Received: 09/14/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-------|-------------|---------------------------|------|-------------|-----|-----------|-----------------|
| Batch: 1110653 Extracted: 09/19/11 | | | | | | | | | | |
| Matrix Spike Dup Analyzed: 09/19/2011 (1110653-MSD1) | | | | | Source: PUI0739-01 | | | | | |
| Acetone | 19.0 | 10 | ug/l | 25.0 | ND | 76 | 10-150 | 35 | 35 | |
| Benzene | 24.8 | 0.50 | ug/l | 25.0 | ND | 99 | 70-125 | 4 | 25 | |
| Bromobenzene | 24.8 | 0.50 | ug/l | 25.0 | ND | 99 | 75-120 | 4 | 20 | |
| Bromochloromethane | 23.6 | 0.50 | ug/l | 25.0 | ND | 94 | 75-130 | 11 | 20 | |
| Bromodichloromethane | 20.7 | 0.50 | ug/l | 25.0 | ND | 83 | 75-125 | 5 | 20 | |
| Bromoform | 22.0 | 1.0 | ug/l | 25.0 | ND | 88 | 65-125 | 0.6 | 25 | |
| Bromomethane | 24.8 | 1.0 | ug/l | 25.0 | ND | 99 | 45-150 | 3 | 35 | |
| 2-Butanone (MEK) | 18.6 | 2.5 | ug/l | 25.0 | ND | 74 | 15-150 | 10 | 30 | |
| n-Butylbenzene | 22.8 | 0.50 | ug/l | 25.0 | ND | 91 | 70-130 | 1 | 30 | |
| sec-Butylbenzene | 24.3 | 0.50 | ug/l | 25.0 | ND | 97 | 70-125 | 2 | 30 | |
| tert-Butylbenzene | 24.0 | 0.50 | ug/l | 25.0 | ND | 96 | 70-125 | 2 | 25 | |
| Carbon disulfide | 25.0 | 0.50 | ug/l | 25.0 | ND | 100 | 65-145 | 8 | 25 | |
| Carbon tetrachloride | 24.0 | 0.50 | ug/l | 25.0 | ND | 96 | 65-135 | 2 | 25 | |
| Chlorobenzene | 26.2 | 0.50 | ug/l | 25.0 | ND | 105 | 75-120 | 6 | 20 | |
| Chloroethane | 21.6 | 1.0 | ug/l | 25.0 | ND | 86 | 65-140 | 5 | 25 | |
| Chloroform | 24.3 | 0.50 | ug/l | 25.0 | 1.18 | 92 | 70-130 | 6 | 20 | |
| Chloromethane | 18.6 | 1.0 | ug/l | 25.0 | ND | 74 | 55-145 | 3 | 35 | |
| 2-Chlorotoluene | 22.9 | 0.50 | ug/l | 25.0 | ND | 92 | 70-125 | 0.3 | 25 | |
| 4-Chlorotoluene | 23.0 | 0.50 | ug/l | 25.0 | ND | 92 | 70-125 | 0.5 | 25 | |
| Dibromochloromethane | 22.2 | 0.50 | ug/l | 25.0 | ND | 89 | 70-130 | 8 | 20 | |
| 1,2-Dibromo-3-chloropropane | 19.2 | 2.5 | ug/l | 25.0 | ND | 77 | 50-150 | 2 | 30 | |
| 1,2-Dibromoethane (EDB) | 22.8 | 0.50 | ug/l | 25.0 | ND | 91 | 70-125 | 7 | 20 | |
| Dibromomethane | 23.0 | 0.50 | ug/l | 25.0 | ND | 92 | 70-120 | 12 | 20 | |
| 1,2-Dichlorobenzene | 24.6 | 0.50 | ug/l | 25.0 | ND | 98 | 75-120 | 7 | 20 | |
| 1,3-Dichlorobenzene | 25.2 | 0.50 | ug/l | 25.0 | ND | 101 | 75-120 | 6 | 25 | |
| 1,4-Dichlorobenzene | 24.9 | 0.50 | ug/l | 25.0 | ND | 100 | 70-125 | 7 | 20 | |
| Dichlorodifluoromethane | 16.8 | 0.50 | ug/l | 25.0 | ND | 67 | 60-150 | 13 | 30 | |
| 1,1-Dichloroethane | 28.1 | 0.50 | ug/l | 25.0 | 5.41 | 91 | 70-130 | 5 | 20 | |
| 1,2-Dichloroethane | 20.5 | 0.50 | ug/l | 25.0 | ND | 82 | 65-140 | 7 | 20 | |
| 1,1-Dichloroethene | 31.9 | 0.50 | ug/l | 25.0 | 9.41 | 90 | 70-130 | 1 | 25 | |
| cis-1,2-Dichloroethene | 29.0 | 0.50 | ug/l | 25.0 | 6.93 | 88 | 70-125 | 6 | 20 | |
| trans-1,2-Dichloroethene | 22.9 | 0.50 | ug/l | 25.0 | ND | 92 | 75-125 | 3 | 25 | |
| 1,2-Dichloropropane | 22.8 | 0.50 | ug/l | 25.0 | ND | 91 | 75-125 | 6 | 20 | |
| 1,3-Dichloropropane | 23.4 | 0.50 | ug/l | 25.0 | ND | 93 | 70-120 | 9 | 20 | |
| 2,2-Dichloropropane | 21.4 | 1.0 | ug/l | 25.0 | ND | 85 | 65-140 | 3 | 25 | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030
Report Number: PUI0850

Sampled: 09/14/11
Received: 09/14/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | Limit | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-------|-------------|---------------------------|-----------|--------|-----|-----------|-----------------|
| Batch: 1110653 Extracted: 09/19/11 | | | | | | | | | | |
| Matrix Spike Dup Analyzed: 09/19/2011 (1110653-MSD1) | | | | | Source: PUI0739-01 | | | | | |
| 1,1-Dichloropropene | 22.5 | 0.50 | ug/l | 25.0 | ND | 90 | 65-130 | 3 | 25 | |
| cis-1,3-Dichloropropene | 22.1 | 0.50 | ug/l | 25.0 | ND | 89 | 75-130 | 10 | 20 | |
| trans-1,3-Dichloropropene | 20.7 | 0.50 | ug/l | 25.0 | ND | 83 | 70-130 | 7 | 20 | |
| Ethylbenzene | 25.4 | 0.50 | ug/l | 25.0 | ND | 101 | 70-125 | 5 | 25 | |
| Hexachlorobutadiene | 25.3 | 1.0 | ug/l | 25.0 | ND | 101 | 40-150 | 36 | 30 | R4 |
| 2-Hexanone | 17.9 | 2.5 | ug/l | 25.0 | ND | 72 | 20-150 | 19 | 30 | |
| Iodomethane | 33.4 | 2.5 | ug/l | 25.0 | ND | 134 | 60-150 | 4 | 30 | |
| Isopropylbenzene | 25.3 | 0.50 | ug/l | 25.0 | ND | 101 | 75-130 | 0.4 | 25 | |
| p-Isopropyltoluene | 23.9 | 0.50 | ug/l | 25.0 | ND | 96 | 70-130 | 2 | 30 | |
| Methylene Chloride | 23.8 | 1.0 | ug/l | 25.0 | ND | 95 | 65-130 | 3 | 20 | |
| 4-Methyl-2-pentanone (MIBK) | 17.0 | 2.5 | ug/l | 25.0 | ND | 68 | 55-135 | 8 | 25 | |
| Methyl-tert-butyl Ether (MTBE) | 18.3 | 0.50 | ug/l | 25.0 | ND | 73 | 65-140 | 9 | 25 | |
| Naphthalene | 20.3 | 2.5 | ug/l | 25.0 | ND | 81 | 40-150 | 16 | 30 | |
| n-Propylbenzene | 24.3 | 0.50 | ug/l | 25.0 | ND | 97 | 70-130 | 0.1 | 30 | |
| Styrene | 16.5 | 0.50 | ug/l | 25.0 | ND | 66 | 55-135 | 19 | 35 | |
| 1,1,1,2-Tetrachloroethane | 25.5 | 0.50 | ug/l | 25.0 | ND | 102 | 70-125 | 9 | 20 | |
| 1,1,2,2-Tetrachloroethane | 21.3 | 0.50 | ug/l | 25.0 | ND | 85 | 70-125 | 4 | 25 | |
| Tetrachloroethene | 28.8 | 0.50 | ug/l | 25.0 | 1.94 | 107 | 65-130 | 2 | 25 | |
| Toluene | 25.8 | 0.50 | ug/l | 25.0 | 0.370 | 102 | 70-125 | 4 | 20 | |
| 1,2,3-Trichlorobenzene | 24.3 | 1.0 | ug/l | 25.0 | ND | 97 | 50-150 | 20 | 35 | |
| 1,2,4-Trichlorobenzene | 24.8 | 1.0 | ug/l | 25.0 | ND | 99 | 50-150 | 17 | 25 | |
| 1,1,1-Trichloroethane | 23.1 | 0.50 | ug/l | 25.0 | ND | 92 | 70-130 | 2 | 25 | |
| 1,1,2-Trichloroethane | 22.3 | 0.50 | ug/l | 25.0 | ND | 89 | 75-125 | 8 | 20 | |
| Trichloroethene | 56.7 | 0.50 | ug/l | 25.0 | 35.3 | 86 | 70-125 | 0.4 | 25 | |
| Trichlorofluoromethane | 21.1 | 0.50 | ug/l | 25.0 | 0.160 | 84 | 65-150 | 6 | 25 | |
| 1,2,3-Trichloropropane | 18.3 | 1.0 | ug/l | 25.0 | ND | 73 | 70-130 | 3 | 25 | |
| 1,2,4-Trimethylbenzene | 22.4 | 0.50 | ug/l | 25.0 | ND | 90 | 70-125 | 3 | 30 | |
| 1,3,5-Trimethylbenzene | 23.7 | 0.50 | ug/l | 25.0 | ND | 95 | 75-130 | 0.3 | 25 | |
| Vinyl Acetate | 17.0 | 1.0 | ug/l | 25.0 | ND | 68 | 40-150 | 0.9 | 30 | |
| Vinyl chloride | 21.2 | 0.50 | ug/l | 25.0 | ND | 85 | 60-140 | 1 | 25 | |
| Xylenes, Total | 50.6 | 1.5 | ug/l | 50.0 | ND | 101 | 75-120 | 7 | 15 | |
| Freon 113 | 22.3 | 2.0 | ug/l | 25.0 | ND | 89 | 65-140 | 10 | 20 | |
| Surrogate: Dibromofluoromethane | 23.5 | | ug/l | 25.0 | | 94 | 80-130 | | | |
| Surrogate: Toluene-d8 | 25.8 | | ug/l | 25.0 | | 103 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 24.9 | | ug/l | 25.0 | | 100 | 80-125 | | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0850

Sampled: 09/14/11
Received: 09/14/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | Limit | RPD RPD | Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------|-----------|-------|---------|-------|-----------------|
| Batch: 1110730 Extracted: 09/20/11 | | | | | | | | | | |
| Blank Analyzed: 09/20/2011 (1110730-BLK1) | | | | | | | | | | |
| Acetone | ND | 10 | ug/l | | | | | | | |
| Benzene | ND | 0.50 | ug/l | | | | | | | |
| Bromobenzene | ND | 0.50 | ug/l | | | | | | | |
| Bromochloromethane | ND | 0.50 | ug/l | | | | | | | |
| Bromodichloromethane | ND | 0.50 | ug/l | | | | | | | |
| Bromoform | ND | 1.0 | ug/l | | | | | | | |
| Bromomethane | ND | 1.0 | ug/l | | | | | | | |
| 2-Butanone (MEK) | ND | 2.5 | ug/l | | | | | | | |
| n-Butylbenzene | ND | 0.50 | ug/l | | | | | | | |
| sec-Butylbenzene | ND | 0.50 | ug/l | | | | | | | |
| tert-Butylbenzene | ND | 0.50 | ug/l | | | | | | | |
| Carbon disulfide | ND | 0.50 | ug/l | | | | | | | |
| Carbon tetrachloride | ND | 0.50 | ug/l | | | | | | | |
| Chlorobenzene | ND | 0.50 | ug/l | | | | | | | |
| Chloroethane | ND | 1.0 | ug/l | | | | | | | |
| Chloroform | ND | 0.50 | ug/l | | | | | | | |
| Chloromethane | ND | 1.0 | ug/l | | | | | | | |
| 2-Chlorotoluene | ND | 0.50 | ug/l | | | | | | | |
| 4-Chlorotoluene | ND | 0.50 | ug/l | | | | | | | |
| Dibromochloromethane | ND | 0.50 | ug/l | | | | | | | |
| 1,2-Dibromo-3-chloropropane | ND | 2.5 | ug/l | | | | | | | |
| 1,2-Dibromoethane (EDB) | ND | 0.50 | ug/l | | | | | | | |
| Dibromomethane | ND | 0.50 | ug/l | | | | | | | |
| 1,2-Dichlorobenzene | ND | 0.50 | ug/l | | | | | | | |
| 1,3-Dichlorobenzene | ND | 0.50 | ug/l | | | | | | | |
| 1,4-Dichlorobenzene | ND | 0.50 | ug/l | | | | | | | |
| Dichlorodifluoromethane | ND | 0.50 | ug/l | | | | | | | |
| 1,1-Dichloroethane | ND | 0.50 | ug/l | | | | | | | |
| 1,2-Dichloroethane | ND | 0.50 | ug/l | | | | | | | |
| 1,1-Dichloroethene | ND | 0.50 | ug/l | | | | | | | |
| cis-1,2-Dichloroethene | ND | 0.50 | ug/l | | | | | | | |
| trans-1,2-Dichloroethene | ND | 0.50 | ug/l | | | | | | | |
| 1,2-Dichloropropane | ND | 0.50 | ug/l | | | | | | | |
| 1,3-Dichloropropane | ND | 0.50 | ug/l | | | | | | | |
| 2,2-Dichloropropane | ND | 1.0 | ug/l | | | | | | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0850

Sampled: 09/14/11
Received: 09/14/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------|-----------|-------------|---------|-----------|-----------------|
| Batch: 1110730 Extracted: 09/20/11 | | | | | | | | | | |
| Blank Analyzed: 09/20/2011 (1110730-BLK1) | | | | | | | | | | |
| 1,1-Dichloropropene | ND | 0.50 | ug/l | | | | | | | |
| cis-1,3-Dichloropropene | ND | 0.50 | ug/l | | | | | | | |
| trans-1,3-Dichloropropene | ND | 0.50 | ug/l | | | | | | | |
| Ethylbenzene | ND | 0.50 | ug/l | | | | | | | |
| Hexachlorobutadiene | ND | 1.0 | ug/l | | | | | | | |
| 2-Hexanone | ND | 2.5 | ug/l | | | | | | | |
| Iodomethane | ND | 2.5 | ug/l | | | | | | | |
| Isopropylbenzene | ND | 0.50 | ug/l | | | | | | | |
| p-Isopropyltoluene | ND | 0.50 | ug/l | | | | | | | |
| Methylene Chloride | ND | 1.0 | ug/l | | | | | | | |
| 4-Methyl-2-pentanone (MIBK) | ND | 2.5 | ug/l | | | | | | | |
| Methyl-tert-butyl Ether (MTBE) | ND | 0.50 | ug/l | | | | | | | |
| Naphthalene | ND | 2.5 | ug/l | | | | | | | |
| n-Propylbenzene | ND | 0.50 | ug/l | | | | | | | |
| Styrene | ND | 0.50 | ug/l | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 0.50 | ug/l | | | | | | | |
| 1,1,2,2-Tetrachloroethane | ND | 0.50 | ug/l | | | | | | | |
| Tetrachloroethene | ND | 0.50 | ug/l | | | | | | | |
| Toluene | ND | 0.50 | ug/l | | | | | | | |
| 1,2,3-Trichlorobenzene | ND | 1.0 | ug/l | | | | | | | |
| 1,2,4-Trichlorobenzene | ND | 1.0 | ug/l | | | | | | | |
| 1,1,1-Trichloroethane | ND | 0.50 | ug/l | | | | | | | |
| 1,1,2-Trichloroethane | ND | 0.50 | ug/l | | | | | | | |
| Trichloroethene | ND | 0.50 | ug/l | | | | | | | |
| Trichlorofluoromethane | ND | 0.50 | ug/l | | | | | | | |
| 1,2,3-Trichloropropane | ND | 1.0 | ug/l | | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 0.50 | ug/l | | | | | | | |
| 1,3,5-Trimethylbenzene | ND | 0.50 | ug/l | | | | | | | |
| Vinyl Acetate | ND | 1.0 | ug/l | | | | | | | |
| Vinyl chloride | ND | 0.50 | ug/l | | | | | | | |
| Xylenes, Total | ND | 1.5 | ug/l | | | | | | | |
| Freon 113 | ND | 2.0 | ug/l | | | | | | | |
| Surrogate: Dibromofluoromethane | 22.9 | | ug/l | 25.0 | | 92 | 80-130 | | | |
| Surrogate: Toluene-d8 | 24.0 | | ug/l | 25.0 | | 96 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 23.2 | | ug/l | 25.0 | | 93 | 80-125 | | | |

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030
Report Number: PUI0850

Sampled: 09/14/11
Received: 09/14/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | Limit | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-------|-------------|---------------|-----------|--------|-----|-----------|-----------------|
| Batch: 1110730 Extracted: 09/20/11 | | | | | | | | | | |
| LCS Analyzed: 09/20/2011 (1110730-BS1) | | | | | | | | | | |
| Acetone | 18.5 | 10 | ug/l | 25.0 | | 74 | 10-150 | | | |
| Benzene | 23.8 | 0.50 | ug/l | 25.0 | | 95 | 80-120 | | | |
| Bromobenzene | 23.9 | 0.50 | ug/l | 25.0 | | 96 | 80-120 | | | |
| Bromochloromethane | 21.8 | 0.50 | ug/l | 25.0 | | 87 | 80-125 | | | |
| Bromodichloromethane | 19.7 | 0.50 | ug/l | 25.0 | | 79 | 80-120 | | | NI |
| Bromoform | 21.4 | 1.0 | ug/l | 25.0 | | 86 | 75-130 | | | |
| Bromomethane | 22.2 | 1.0 | ug/l | 25.0 | | 89 | 55-150 | | | |
| 2-Butanone (MEK) | 17.7 | 2.5 | ug/l | 25.0 | | 71 | 40-150 | | | |
| n-Butylbenzene | 22.7 | 0.50 | ug/l | 25.0 | | 91 | 80-130 | | | |
| sec-Butylbenzene | 24.0 | 0.50 | ug/l | 25.0 | | 96 | 80-125 | | | |
| tert-Butylbenzene | 23.1 | 0.50 | ug/l | 25.0 | | 92 | 80-120 | | | |
| Carbon disulfide | 22.3 | 0.50 | ug/l | 25.0 | | 89 | 70-140 | | | |
| Carbon tetrachloride | 23.6 | 0.50 | ug/l | 25.0 | | 94 | 75-130 | | | |
| Chlorobenzene | 24.6 | 0.50 | ug/l | 25.0 | | 98 | 80-120 | | | |
| Chloroethane | 19.2 | 1.0 | ug/l | 25.0 | | 77 | 70-130 | | | |
| Chloroform | 20.9 | 0.50 | ug/l | 25.0 | | 84 | 75-120 | | | |
| Chloromethane | 18.1 | 1.0 | ug/l | 25.0 | | 72 | 60-140 | | | |
| 2-Chlorotoluene | 22.1 | 0.50 | ug/l | 25.0 | | 88 | 80-120 | | | |
| 4-Chlorotoluene | 22.1 | 0.50 | ug/l | 25.0 | | 88 | 80-120 | | | |
| Dibromochloromethane | 21.3 | 0.50 | ug/l | 25.0 | | 85 | 80-120 | | | |
| 1,2-Dibromo-3-chloropropane | 18.9 | 2.5 | ug/l | 25.0 | | 76 | 50-150 | | | |
| 1,2-Dibromoethane (EDB) | 22.4 | 0.50 | ug/l | 25.0 | | 90 | 80-120 | | | |
| Dibromomethane | 21.0 | 0.50 | ug/l | 25.0 | | 84 | 75-120 | | | |
| 1,2-Dichlorobenzene | 23.0 | 0.50 | ug/l | 25.0 | | 92 | 80-120 | | | |
| 1,3-Dichlorobenzene | 23.8 | 0.50 | ug/l | 25.0 | | 95 | 80-120 | | | |
| 1,4-Dichlorobenzene | 23.2 | 0.50 | ug/l | 25.0 | | 93 | 80-120 | | | |
| Dichlorodifluoromethane | 18.1 | 0.50 | ug/l | 25.0 | | 72 | 60-150 | | | |
| 1,1-Dichloroethane | 21.5 | 0.50 | ug/l | 25.0 | | 86 | 70-125 | | | |
| 1,2-Dichloroethane | 19.7 | 0.50 | ug/l | 25.0 | | 79 | 75-130 | | | |
| 1,1-Dichloroethene | 23.4 | 0.50 | ug/l | 25.0 | | 94 | 75-125 | | | |
| cis-1,2-Dichloroethene | 20.5 | 0.50 | ug/l | 25.0 | | 82 | 80-120 | | | |
| trans-1,2-Dichloroethene | 21.5 | 0.50 | ug/l | 25.0 | | 86 | 80-120 | | | |
| 1,2-Dichloropropane | 21.5 | 0.50 | ug/l | 25.0 | | 86 | 80-120 | | | |
| 1,3-Dichloropropane | 21.5 | 0.50 | ug/l | 25.0 | | 86 | 80-120 | | | |
| 2,2-Dichloropropane | 20.6 | 1.0 | ug/l | 25.0 | | 82 | 75-130 | | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0850

Sampled: 09/14/11
Received: 09/14/11

METHOD BLANK/OC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-----------------|
| Batch: 1110730 Extracted: 09/20/11 | | | | | | | | | | |
| LCS Analyzed: 09/20/2011 (1110730-BS1) | | | | | | | | | | |
| 1,1-Dichloropropene | 21.6 | 0.50 | ug/l | 25.0 | | 86 | 75-120 | | | |
| cis-1,3-Dichloropropene | 19.9 | 0.50 | ug/l | 25.0 | | 80 | 80-120 | | | |
| trans-1,3-Dichloropropene | 19.3 | 0.50 | ug/l | 25.0 | | 77 | 80-125 | | | NI |
| Ethylbenzene | 23.9 | 0.50 | ug/l | 25.0 | | 95 | 80-120 | | | |
| Hexachlorobutadiene | 23.8 | 1.0 | ug/l | 25.0 | | 95 | 40-150 | | | |
| 2-Hexanone | 17.4 | 2.5 | ug/l | 25.0 | | 69 | 20-150 | | | |
| Iodomethane | 30.7 | 2.5 | ug/l | 25.0 | | 123 | 80-130 | | | |
| Isopropylbenzene | 24.2 | 0.50 | ug/l | 25.0 | | 97 | 80-130 | | | |
| p-Isopropyltoluene | 23.4 | 0.50 | ug/l | 25.0 | | 94 | 80-130 | | | |
| Methylene Chloride | 22.2 | 1.0 | ug/l | 25.0 | | 89 | 70-120 | | | |
| 4-Methyl-2-pentanone (MIBK) | 17.7 | 2.5 | ug/l | 25.0 | | 71 | 60-135 | | | |
| Methyl-tert-butyl Ether (MTBE) | 17.8 | 0.50 | ug/l | 25.0 | | 71 | 70-130 | | | |
| Naphthalene | 20.1 | 2.5 | ug/l | 25.0 | | 81 | 40-150 | | | |
| n-Propylbenzene | 23.3 | 0.50 | ug/l | 25.0 | | 93 | 75-130 | | | |
| Styrene | 21.3 | 0.50 | ug/l | 25.0 | | 85 | 80-120 | | | |
| 1,1,1,2-Tetrachloroethane | 23.6 | 0.50 | ug/l | 25.0 | | 94 | 75-125 | | | |
| 1,1,2,2-Tetrachloroethane | 21.3 | 0.50 | ug/l | 25.0 | | 85 | 80-120 | | | |
| Tetrachloroethene | 26.4 | 0.50 | ug/l | 25.0 | | 106 | 70-130 | | | |
| Toluene | 23.3 | 0.50 | ug/l | 25.0 | | 93 | 80-120 | | | |
| 1,2,3-Trichlorobenzene | 22.7 | 1.0 | ug/l | 25.0 | | 91 | 55-150 | | | |
| 1,2,4-Trichlorobenzene | 23.5 | 1.0 | ug/l | 25.0 | | 94 | 50-150 | | | |
| 1,1,1-Trichloroethane | 21.9 | 0.50 | ug/l | 25.0 | | 87 | 75-125 | | | |
| 1,1,2-Trichloroethane | 20.5 | 0.50 | ug/l | 25.0 | | 82 | 80-120 | | | |
| Trichloroethene | 23.6 | 0.50 | ug/l | 25.0 | | 94 | 80-120 | | | |
| Trichlorofluoromethane | 20.8 | 0.50 | ug/l | 25.0 | | 83 | 70-150 | | | |
| 1,2,3-Trichloropropane | 19.3 | 1.0 | ug/l | 25.0 | | 77 | 70-130 | | | |
| 1,2,4-Trimethylbenzene | 22.9 | 0.50 | ug/l | 25.0 | | 92 | 80-120 | | | |
| 1,3,5-Trimethylbenzene | 23.0 | 0.50 | ug/l | 25.0 | | 92 | 80-130 | | | |
| Vinyl Acetate | 18.1 | 1.0 | ug/l | 25.0 | | 72 | 40-150 | | | |
| Vinyl chloride | 21.0 | 0.50 | ug/l | 25.0 | | 84 | 70-130 | | | |
| Xylenes, Total | 48.0 | 1.5 | ug/l | 50.0 | | 96 | 60-140 | | | |
| Freon 113 | 23.7 | 2.0 | ug/l | 25.0 | | 95 | 60-140 | | | |
| Surrogate: Dibromofluoromethane | 23.2 | | ug/l | 25.0 | | 93 | 80-130 | | | |
| Surrogate: Toluene-d8 | 24.5 | | ug/l | 25.0 | | 98 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 23.7 | | ug/l | 25.0 | | 95 | 80-125 | | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0850

Sampled: 09/14/11
Received: 09/14/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------|-----------|-------------|---------|-----------|-----------------|
| Batch: 1110730 Extracted: 09/20/11 | | | | | | | | | | |
| LCS Dup Analyzed: 09/20/2011 (1110730-BSD1) | | | | | | | | | | |
| Acetone | 21.2 | 10 | ug/l | 25.0 | | 85 | 10-150 | 14 | 35 | |
| Benzene | 24.1 | 0.50 | ug/l | 25.0 | | 96 | 80-120 | 2 | 15 | |
| Bromobenzene | 25.8 | 0.50 | ug/l | 25.0 | | 103 | 80-120 | 7 | 15 | |
| Bromochloromethane | 23.1 | 0.50 | ug/l | 25.0 | | 92 | 80-125 | 6 | 15 | |
| Bromodichloromethane | 20.6 | 0.50 | ug/l | 25.0 | | 83 | 80-120 | 5 | 15 | |
| Bromoform | 23.2 | 1.0 | ug/l | 25.0 | | 93 | 75-130 | 8 | 20 | |
| Bromomethane | 25.3 | 1.0 | ug/l | 25.0 | | 101 | 55-150 | 13 | 20 | |
| 2-Butanone (MEK) | 21.2 | 2.5 | ug/l | 25.0 | | 85 | 40-150 | 18 | 35 | |
| n-Butylbenzene | 24.6 | 0.50 | ug/l | 25.0 | | 98 | 80-130 | 8 | 15 | |
| sec-Butylbenzene | 25.7 | 0.50 | ug/l | 25.0 | | 103 | 80-125 | 7 | 15 | |
| tert-Butylbenzene | 24.8 | 0.50 | ug/l | 25.0 | | 99 | 80-120 | 7 | 15 | |
| Carbon disulfide | 23.2 | 0.50 | ug/l | 25.0 | | 93 | 70-140 | 4 | 15 | |
| Carbon tetrachloride | 24.7 | 0.50 | ug/l | 25.0 | | 99 | 75-130 | 5 | 20 | |
| Chlorobenzene | 26.8 | 0.50 | ug/l | 25.0 | | 107 | 80-120 | 9 | 15 | |
| Chloroethane | 21.7 | 1.0 | ug/l | 25.0 | | 87 | 70-130 | 12 | 15 | |
| Chloroform | 22.3 | 0.50 | ug/l | 25.0 | | 89 | 75-120 | 6 | 15 | |
| Chloromethane | 19.2 | 1.0 | ug/l | 25.0 | | 77 | 60-140 | 6 | 20 | |
| 2-Chlorotoluene | 23.8 | 0.50 | ug/l | 25.0 | | 95 | 80-120 | 7 | 15 | |
| 4-Chlorotoluene | 24.1 | 0.50 | ug/l | 25.0 | | 96 | 80-120 | 9 | 15 | |
| Dibromochloromethane | 23.3 | 0.50 | ug/l | 25.0 | | 93 | 80-120 | 9 | 15 | |
| 1,2-Dibromo-3-chloropropane | 20.5 | 2.5 | ug/l | 25.0 | | 82 | 50-150 | 8 | 35 | |
| 1,2-Dibromoethane (EDB) | 24.3 | 0.50 | ug/l | 25.0 | | 97 | 80-120 | 8 | 15 | |
| Dibromomethane | 21.7 | 0.50 | ug/l | 25.0 | | 87 | 75-120 | 3 | 15 | |
| 1,2-Dichlorobenzene | 25.2 | 0.50 | ug/l | 25.0 | | 101 | 80-120 | 10 | 15 | |
| 1,3-Dichlorobenzene | 26.0 | 0.50 | ug/l | 25.0 | | 104 | 80-120 | 9 | 15 | |
| 1,4-Dichlorobenzene | 25.6 | 0.50 | ug/l | 25.0 | | 103 | 80-120 | 10 | 15 | |
| Dichlorodifluoromethane | 19.2 | 0.50 | ug/l | 25.0 | | 77 | 60-150 | 6 | 30 | |
| 1,1-Dichloroethane | 22.1 | 0.50 | ug/l | 25.0 | | 89 | 70-125 | 3 | 15 | |
| 1,2-Dichloroethane | 19.9 | 0.50 | ug/l | 25.0 | | 80 | 75-130 | 1 | 15 | |
| 1,1-Dichloroethene | 24.2 | 0.50 | ug/l | 25.0 | | 97 | 75-125 | 3 | 20 | |
| cis-1,2-Dichloroethene | 21.8 | 0.50 | ug/l | 25.0 | | 87 | 80-120 | 6 | 15 | |
| trans-1,2-Dichloroethene | 22.8 | 0.50 | ug/l | 25.0 | | 91 | 80-120 | 6 | 15 | |
| 1,2-Dichloropropane | 21.9 | 0.50 | ug/l | 25.0 | | 88 | 80-120 | 2 | 15 | |
| 1,3-Dichloropropane | 22.9 | 0.50 | ug/l | 25.0 | | 92 | 80-120 | 6 | 15 | |
| 2,2-Dichloropropane | 21.0 | 1.0 | ug/l | 25.0 | | 84 | 75-130 | 2 | 15 | |

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0850

Sampled: 09/14/11
Received: 09/14/11

METHOD BLANK/OC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------|-----------|-------------|-----|-----------|-----------------|
| Batch: 11I0730 Extracted: 09/20/11 | | | | | | | | | | |
| LCS Dup Analyzed: 09/20/2011 (11I0730-BSD1) | | | | | | | | | | |
| 1,1-Dichloropropene | 22.5 | 0.50 | ug/l | 25.0 | | 90 | 75-120 | 4 | 15 | |
| cis-1,3-Dichloropropene | 20.3 | 0.50 | ug/l | 25.0 | | 81 | 80-120 | 2 | 15 | |
| trans-1,3-Dichloropropene | 19.6 | 0.50 | ug/l | 25.0 | | 78 | 80-125 | 2 | 15 | NI |
| Ethylbenzene | 26.1 | 0.50 | ug/l | 25.0 | | 104 | 80-120 | 9 | 15 | |
| Hexachlorobutadiene | 26.0 | 1.0 | ug/l | 25.0 | | 104 | 40-150 | 9 | 35 | |
| 2-Hexanone | 18.8 | 2.5 | ug/l | 25.0 | | 75 | 20-150 | 8 | 35 | |
| Iodomethane | 33.5 | 2.5 | ug/l | 25.0 | | 134 | 80-130 | 9 | 10 | L3 |
| Isopropylbenzene | 26.6 | 0.50 | ug/l | 25.0 | | 107 | 80-130 | 10 | 15 | |
| p-Isopropyltoluene | 25.1 | 0.50 | ug/l | 25.0 | | 100 | 80-130 | 7 | 15 | |
| Methylene Chloride | 23.1 | 1.0 | ug/l | 25.0 | | 92 | 70-120 | 4 | 15 | |
| 4-Methyl-2-pentanone (MIBK) | 17.6 | 2.5 | ug/l | 25.0 | | 70 | 60-135 | 0.7 | 25 | |
| Methyl-tert-butyl Ether (MTBE) | 18.6 | 0.50 | ug/l | 25.0 | | 74 | 70-130 | 4 | 20 | |
| Naphthalene | 22.2 | 2.5 | ug/l | 25.0 | | 89 | 40-150 | 10 | 30 | |
| n-Propylbenzene | 25.7 | 0.50 | ug/l | 25.0 | | 103 | 75-130 | 10 | 15 | |
| Styrene | 22.8 | 0.50 | ug/l | 25.0 | | 91 | 80-120 | 7 | 15 | |
| 1,1,1,2-Tetrachloroethane | 25.0 | 0.50 | ug/l | 25.0 | | 100 | 75-125 | 6 | 15 | |
| 1,1,2,2-Tetrachloroethane | 22.5 | 0.50 | ug/l | 25.0 | | 90 | 80-120 | 5 | 20 | |
| Tetrachloroethene | 28.5 | 0.50 | ug/l | 25.0 | | 114 | 70-130 | 7 | 20 | |
| Toluene | 25.0 | 0.50 | ug/l | 25.0 | | 100 | 80-120 | 7 | 15 | |
| 1,2,3-Trichlorobenzene | 24.8 | 1.0 | ug/l | 25.0 | | 99 | 55-150 | 9 | 35 | |
| 1,2,4-Trichlorobenzene | 25.1 | 1.0 | ug/l | 25.0 | | 101 | 50-150 | 7 | 30 | |
| 1,1,1-Trichloroethane | 23.1 | 0.50 | ug/l | 25.0 | | 92 | 75-125 | 5 | 15 | |
| 1,1,2-Trichloroethane | 21.7 | 0.50 | ug/l | 25.0 | | 87 | 80-120 | 5 | 15 | |
| Trichloroethene | 24.0 | 0.50 | ug/l | 25.0 | | 96 | 80-120 | 2 | 15 | |
| Trichlorofluoromethane | 22.5 | 0.50 | ug/l | 25.0 | | 90 | 70-150 | 8 | 25 | |
| 1,2,3-Trichloropropane | 21.5 | 1.0 | ug/l | 25.0 | | 86 | 70-130 | 11 | 20 | |
| 1,2,4-Trimethylbenzene | 24.6 | 0.50 | ug/l | 25.0 | | 98 | 80-120 | 7 | 15 | |
| 1,3,5-Trimethylbenzene | 25.0 | 0.50 | ug/l | 25.0 | | 100 | 80-130 | 8 | 15 | |
| Vinyl Acetate | 18.9 | 1.0 | ug/l | 25.0 | | 76 | 40-150 | 4 | 25 | |
| Vinyl chloride | 22.7 | 0.50 | ug/l | 25.0 | | 91 | 70-130 | 8 | 20 | |
| Xylenes, Total | 51.8 | 1.5 | ug/l | 50.0 | | 104 | 60-140 | 7 | 15 | |
| Freon 113 | 25.1 | 2.0 | ug/l | 25.0 | | 101 | 60-140 | 6 | 15 | |
| Surrogate: Dibromofluoromethane | 23.3 | | ug/l | 25.0 | | 93 | 80-130 | | | |
| Surrogate: Toluene-d8 | 25.5 | | ug/l | 25.0 | | 102 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 24.8 | | ug/l | 25.0 | | 99 | 80-125 | | | |

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0850

Sampled: 09/14/11
Received: 09/14/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | Limits RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------------------|-----------|------------|-----------|-----------------|
| Batch: 1110730 Extracted: 09/20/11 | | | | | | | | | |
| Matrix Spike Analyzed: 09/20/2011 (1110730-MS1) | | | | | Source: PUI0850-03 | | | | |
| Acetone | 18.9 | 10 | ug/l | 25.0 | ND | 75 | 10-150 | | |
| Benzene | 27.0 | 0.50 | ug/l | 25.0 | 0.140 | 107 | 70-125 | | |
| Bromobenzene | 27.9 | 0.50 | ug/l | 25.0 | ND | 112 | 75-120 | | |
| Bromochloromethane | 26.0 | 0.50 | ug/l | 25.0 | ND | 104 | 75-130 | | |
| Bromodichloromethane | 23.2 | 0.50 | ug/l | 25.0 | ND | 93 | 75-125 | | |
| Bromoform | 25.4 | 1.0 | ug/l | 25.0 | ND | 102 | 65-125 | | |
| Bromomethane | 26.8 | 1.0 | ug/l | 25.0 | ND | 107 | 45-150 | | |
| 2-Butanone (MEK) | 22.8 | 2.5 | ug/l | 25.0 | ND | 91 | 15-150 | | |
| n-Butylbenzene | 25.9 | 0.50 | ug/l | 25.0 | ND | 104 | 70-130 | | |
| sec-Butylbenzene | 27.6 | 0.50 | ug/l | 25.0 | ND | 110 | 70-125 | | |
| tert-Butylbenzene | 27.0 | 0.50 | ug/l | 25.0 | ND | 108 | 70-125 | | |
| Carbon disulfide | 25.3 | 0.50 | ug/l | 25.0 | ND | 101 | 65-145 | | |
| Carbon tetrachloride | 26.1 | 0.50 | ug/l | 25.0 | ND | 104 | 65-135 | | |
| Chlorobenzene | 29.3 | 0.50 | ug/l | 25.0 | ND | 117 | 75-120 | | |
| Chloroethane | 23.2 | 1.0 | ug/l | 25.0 | ND | 93 | 65-140 | | |
| Chloroform | 26.1 | 0.50 | ug/l | 25.0 | 0.880 | 101 | 70-130 | | |
| Chloromethane | 20.3 | 1.0 | ug/l | 25.0 | ND | 81 | 55-145 | | |
| 2-Chlorotoluene | 26.1 | 0.50 | ug/l | 25.0 | ND | 105 | 70-125 | | |
| 4-Chlorotoluene | 26.2 | 0.50 | ug/l | 25.0 | ND | 105 | 70-125 | | |
| Dibromochloromethane | 25.6 | 0.50 | ug/l | 25.0 | ND | 102 | 70-130 | | |
| 1,2-Dibromo-3-chloropropane | 21.9 | 2.5 | ug/l | 25.0 | ND | 88 | 50-150 | | |
| 1,2-Dibromoethane (EDB) | 26.9 | 0.50 | ug/l | 25.0 | ND | 108 | 70-125 | | |
| Dibromomethane | 25.1 | 0.50 | ug/l | 25.0 | ND | 100 | 70-120 | | |
| 1,2-Dichlorobenzene | 27.3 | 0.50 | ug/l | 25.0 | ND | 109 | 75-120 | | |
| 1,3-Dichlorobenzene | 27.4 | 0.50 | ug/l | 25.0 | ND | 110 | 75-120 | | |
| 1,4-Dichlorobenzene | 27.6 | 0.50 | ug/l | 25.0 | ND | 110 | 70-125 | | |
| Dichlorodifluoromethane | 17.9 | 0.50 | ug/l | 25.0 | ND | 72 | 60-150 | | |
| 1,1-Dichloroethane | 30.8 | 0.50 | ug/l | 25.0 | 5.22 | 102 | 70-130 | | |
| 1,2-Dichloroethane | 22.8 | 0.50 | ug/l | 25.0 | ND | 91 | 65-140 | | |
| 1,1-Dichloroethene | 34.7 | 0.50 | ug/l | 25.0 | 7.91 | 107 | 70-130 | | |
| cis-1,2-Dichloroethene | 38.4 | 0.50 | ug/l | 25.0 | 13.5 | 100 | 70-125 | | |
| trans-1,2-Dichloroethene | 25.0 | 0.50 | ug/l | 25.0 | ND | 100 | 75-125 | | |
| 1,2-Dichloropropane | 25.6 | 0.50 | ug/l | 25.0 | ND | 102 | 75-125 | | |
| 1,3-Dichloropropane | 25.5 | 0.50 | ug/l | 25.0 | ND | 102 | 70-120 | | |
| 2,2-Dichloropropane | 22.8 | 1.0 | ug/l | 25.0 | ND | 91 | 65-140 | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030
Report Number: PUI0850

Sampled: 09/14/11
Received: 09/14/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------------------|------|-------------|-----|-----------|-----------------|
| Batch: 1110730 Extracted: 09/20/11 | | | | | | | | | | |
| Matrix Spike Analyzed: 09/20/2011 (1110730-MS1) | | | | | Source: PUI0850-03 | | | | | |
| 1,1-Dichloropropene | 24.1 | 0.50 | ug/l | 25.0 | ND | 97 | 65-130 | | | |
| cis-1,3-Dichloropropene | 24.0 | 0.50 | ug/l | 25.0 | ND | 96 | 75-130 | | | |
| trans-1,3-Dichloropropene | 23.2 | 0.50 | ug/l | 25.0 | ND | 93 | 70-130 | | | |
| Ethylbenzene | 28.9 | 0.50 | ug/l | 25.0 | ND | 115 | 70-125 | | | |
| Hexachlorobutadiene | 27.0 | 1.0 | ug/l | 25.0 | ND | 108 | 40-150 | | | |
| 2-Hexanone | 19.7 | 2.5 | ug/l | 25.0 | ND | 79 | 20-150 | | | |
| Iodomethane | 34.9 | 2.5 | ug/l | 25.0 | ND | 139 | 60-150 | | | |
| Isopropylbenzene | 29.0 | 0.50 | ug/l | 25.0 | ND | 116 | 75-130 | | | |
| p-Isopropyltoluene | 27.0 | 0.50 | ug/l | 25.0 | ND | 108 | 70-130 | | | |
| Methylene Chloride | 25.5 | 1.0 | ug/l | 25.0 | ND | 102 | 65-130 | | | |
| 4-Methyl-2-pentanone (MIBK) | 20.2 | 2.5 | ug/l | 25.0 | ND | 81 | 55-135 | | | |
| Methyl-tert-butyl Ether (MTBE) | 20.5 | 0.50 | ug/l | 25.0 | ND | 82 | 65-140 | | | |
| Naphthalene | 21.6 | 2.5 | ug/l | 25.0 | ND | 87 | 40-150 | | | |
| n-Propylbenzene | 27.3 | 0.50 | ug/l | 25.0 | ND | 109 | 70-130 | | | |
| Styrene | 14.6 | 0.50 | ug/l | 25.0 | ND | 58 | 55-135 | | | |
| 1,1,1,2-Tetrachloroethane | 28.3 | 0.50 | ug/l | 25.0 | ND | 113 | 70-125 | | | |
| 1,1,2,2-Tetrachloroethane | 24.3 | 0.50 | ug/l | 25.0 | ND | 97 | 70-125 | | | |
| Tetrachloroethene | 34.6 | 0.50 | ug/l | 25.0 | 3.22 | 126 | 65-130 | | | |
| Toluene | 32.6 | 0.50 | ug/l | 25.0 | 4.42 | 113 | 70-125 | | | |
| 1,2,3-Trichlorobenzene | 27.1 | 1.0 | ug/l | 25.0 | ND | 108 | 50-150 | | | |
| 1,2,4-Trichlorobenzene | 26.1 | 1.0 | ug/l | 25.0 | ND | 105 | 50-150 | | | |
| 1,1,1-Trichloroethane | 25.0 | 0.50 | ug/l | 25.0 | ND | 100 | 70-130 | | | |
| 1,1,2-Trichloroethane | 23.9 | 0.50 | ug/l | 25.0 | ND | 96 | 75-125 | | | |
| Trichloroethene | 109 | 0.50 | ug/l | 25.0 | 75.2 | 137 | 70-125 | | | M3 |
| Trichlorofluoromethane | 23.4 | 0.50 | ug/l | 25.0 | 0.450 | 92 | 65-150 | | | |
| 1,2,3-Trichloropropane | 22.1 | 1.0 | ug/l | 25.0 | ND | 88 | 70-130 | | | |
| 1,2,4-Trimethylbenzene | 26.4 | 0.50 | ug/l | 25.0 | ND | 106 | 70-125 | | | |
| 1,3,5-Trimethylbenzene | 27.1 | 0.50 | ug/l | 25.0 | ND | 108 | 75-130 | | | |
| Vinyl Acetate | 15.5 | 1.0 | ug/l | 25.0 | ND | 62 | 40-150 | | | |
| Vinyl chloride | 23.2 | 0.50 | ug/l | 25.0 | ND | 93 | 60-140 | | | |
| Xylenes, Total | 57.3 | 1.5 | ug/l | 50.0 | ND | 115 | 75-120 | | | |
| Freon 113 | 24.7 | 2.0 | ug/l | 25.0 | 0.300 | 98 | 65-140 | | | |
| Surrogate: Dibromofluoromethane | 24.3 | | ug/l | 25.0 | | 97 | 80-130 | | | |
| Surrogate: Toluene-d8 | 25.1 | | ug/l | 25.0 | | 100 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 24.9 | | ug/l | 25.0 | | 100 | 80-125 | | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0850

Sampled: 09/14/11
Received: 09/14/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-------|-------------|---------------------------|------|-------------|-----|-----------|-----------------|
| Batch: 1110730 Extracted: 09/20/11 | | | | | | | | | | |
| Matrix Spike Dup Analyzed: 09/20/2011 (1110730-MSD1) | | | | | Source: PUI0850-03 | | | | | |
| Acetone | 25.3 | 10 | ug/l | 25.0 | ND | 101 | 10-150 | 29 | 35 | |
| Benzene | 25.4 | 0.50 | ug/l | 25.0 | 0.140 | 101 | 70-125 | 6 | 25 | |
| Bromobenzene | 25.6 | 0.50 | ug/l | 25.0 | ND | 102 | 75-120 | 9 | 20 | |
| Bromochloromethane | 29.0 | 0.50 | ug/l | 25.0 | ND | 116 | 75-130 | 11 | 20 | |
| Bromodichloromethane | 23.7 | 0.50 | ug/l | 25.0 | ND | 95 | 75-125 | 2 | 20 | |
| Bromoform | 24.6 | 1.0 | ug/l | 25.0 | ND | 98 | 65-125 | 3 | 25 | |
| Bromomethane | 27.7 | 1.0 | ug/l | 25.0 | ND | 111 | 45-150 | 3 | 35 | |
| 2-Butanone (MEK) | 28.1 | 2.5 | ug/l | 25.0 | ND | 113 | 15-150 | 21 | 30 | |
| n-Butylbenzene | 20.9 | 0.50 | ug/l | 25.0 | ND | 84 | 70-130 | 22 | 30 | |
| sec-Butylbenzene | 21.6 | 0.50 | ug/l | 25.0 | ND | 86 | 70-125 | 24 | 30 | |
| tert-Butylbenzene | 21.8 | 0.50 | ug/l | 25.0 | ND | 87 | 70-125 | 21 | 25 | |
| Carbon disulfide | 23.1 | 0.50 | ug/l | 25.0 | ND | 92 | 65-145 | 9 | 25 | |
| Carbon tetrachloride | 22.0 | 0.50 | ug/l | 25.0 | ND | 88 | 65-135 | 17 | 25 | |
| Chlorobenzene | 27.6 | 0.50 | ug/l | 25.0 | ND | 110 | 75-120 | 6 | 20 | |
| Chloroethane | 21.2 | 1.0 | ug/l | 25.0 | ND | 85 | 65-140 | 9 | 25 | |
| Chloroform | 27.5 | 0.50 | ug/l | 25.0 | 0.880 | 107 | 70-130 | 5 | 20 | |
| Chloromethane | 19.4 | 1.0 | ug/l | 25.0 | ND | 78 | 55-145 | 5 | 35 | |
| 2-Chlorotoluene | 22.4 | 0.50 | ug/l | 25.0 | ND | 90 | 70-125 | 15 | 25 | |
| 4-Chlorotoluene | 23.0 | 0.50 | ug/l | 25.0 | ND | 92 | 70-125 | 13 | 25 | |
| Dibromochloromethane | 25.7 | 0.50 | ug/l | 25.0 | ND | 103 | 70-130 | 0.4 | 20 | |
| 1,2-Dibromo-3-chloropropane | 19.3 | 2.5 | ug/l | 25.0 | ND | 77 | 50-150 | 13 | 30 | |
| 1,2-Dibromoethane (EDB) | 27.8 | 0.50 | ug/l | 25.0 | ND | 111 | 70-125 | 3 | 20 | |
| Dibromomethane | 26.2 | 0.50 | ug/l | 25.0 | ND | 105 | 70-120 | 4 | 20 | |
| 1,2-Dichlorobenzene | 25.5 | 0.50 | ug/l | 25.0 | ND | 102 | 75-120 | 7 | 20 | |
| 1,3-Dichlorobenzene | 25.4 | 0.50 | ug/l | 25.0 | ND | 102 | 75-120 | 7 | 25 | |
| 1,4-Dichlorobenzene | 25.5 | 0.50 | ug/l | 25.0 | ND | 102 | 70-125 | 8 | 20 | |
| Dichlorodifluoromethane | 15.4 | 0.50 | ug/l | 25.0 | ND | 62 | 60-150 | 15 | 30 | |
| 1,1-Dichloroethane | 30.8 | 0.50 | ug/l | 25.0 | 5.22 | 102 | 70-130 | 0.1 | 20 | |
| 1,2-Dichloroethane | 27.4 | 0.50 | ug/l | 25.0 | ND | 110 | 65-140 | 18 | 20 | |
| 1,1-Dichloroethene | 30.5 | 0.50 | ug/l | 25.0 | 7.91 | 90 | 70-130 | 13 | 25 | |
| cis-1,2-Dichloroethene | 39.3 | 0.50 | ug/l | 25.0 | 13.5 | 103 | 70-125 | 2 | 20 | |
| trans-1,2-Dichloroethene | 24.7 | 0.50 | ug/l | 25.0 | ND | 99 | 75-125 | 2 | 25 | |
| 1,2-Dichloropropane | 25.0 | 0.50 | ug/l | 25.0 | ND | 100 | 75-125 | 2 | 20 | |
| 1,3-Dichloropropane | 27.8 | 0.50 | ug/l | 25.0 | ND | 111 | 70-120 | 8 | 20 | |
| 2,2-Dichloropropane | 21.0 | 1.0 | ug/l | 25.0 | ND | 84 | 65-140 | 8 | 25 | |

TestAmerica Phoenix

Kylie Emily
Project Manager

Environmental Resources Management Inc.-West
 7272 E. Indian School Rd., Ste. 100
 Scottsdale, AZ 85251
 Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0850

Sampled: 09/14/11
 Received: 09/14/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-------|-------------|---------------------------|-----------|--------|-----|-----------|-----------------|
| Batch: 1110730 Extracted: 09/20/11 | | | | | | | | | | |
| Matrix Spike Dup Analyzed: 09/20/2011 (1110730-MSD1) | | | | | Source: PUI0850-03 | | | | | |
| 1,1-Dichloropropene | 19.6 | 0.50 | ug/l | 25.0 | ND | 78 | 65-130 | 21 | 25 | |
| cis-1,3-Dichloropropene | 24.6 | 0.50 | ug/l | 25.0 | ND | 98 | 75-130 | 2 | 20 | |
| trans-1,3-Dichloropropene | 23.9 | 0.50 | ug/l | 25.0 | ND | 96 | 70-130 | 3 | 20 | |
| Ethylbenzene | 25.3 | 0.50 | ug/l | 25.0 | ND | 101 | 70-125 | 13 | 25 | |
| Hexachlorobutadiene | 22.0 | 1.0 | ug/l | 25.0 | ND | 88 | 40-150 | 21 | 30 | |
| 2-Hexanone | 20.0 | 2.5 | ug/l | 25.0 | ND | 80 | 20-150 | 1 | 30 | |
| Iodomethane | 37.2 | 2.5 | ug/l | 25.0 | ND | 149 | 60-150 | 7 | 30 | |
| Isopropylbenzene | 23.2 | 0.50 | ug/l | 25.0 | ND | 93 | 75-130 | 22 | 25 | |
| p-Isopropyltoluene | 21.8 | 0.50 | ug/l | 25.0 | ND | 87 | 70-130 | 21 | 30 | |
| Methylene Chloride | 29.5 | 1.0 | ug/l | 25.0 | ND | 118 | 65-130 | 15 | 20 | |
| 4-Methyl-2-pentanone (MIBK) | 21.9 | 2.5 | ug/l | 25.0 | ND | 88 | 55-135 | 8 | 25 | |
| Methyl-tert-butyl Ether (MTBE) | 25.0 | 0.50 | ug/l | 25.0 | ND | 100 | 65-140 | 20 | 25 | |
| Naphthalene | 23.0 | 2.5 | ug/l | 25.0 | ND | 92 | 40-150 | 6 | 30 | |
| n-Propylbenzene | 22.0 | 0.50 | ug/l | 25.0 | ND | 88 | 70-130 | 21 | 30 | |
| Styrene | 10.2 | 0.50 | ug/l | 25.0 | ND | 41 | 55-135 | 35 | 35 | M2 |
| 1,1,1,2-Tetrachloroethane | 27.0 | 0.50 | ug/l | 25.0 | ND | 108 | 70-125 | 5 | 20 | |
| 1,1,2,2-Tetrachloroethane | 24.3 | 0.50 | ug/l | 25.0 | ND | 97 | 70-125 | 0.1 | 25 | |
| Tetrachloroethene | 27.7 | 0.50 | ug/l | 25.0 | 3.22 | 98 | 65-130 | 22 | 25 | |
| Toluene | 29.4 | 0.50 | ug/l | 25.0 | 4.42 | 100 | 70-125 | 10 | 20 | |
| 1,2,3-Trichlorobenzene | 25.9 | 1.0 | ug/l | 25.0 | ND | 104 | 50-150 | 4 | 35 | |
| 1,2,4-Trichlorobenzene | 26.0 | 1.0 | ug/l | 25.0 | ND | 104 | 50-150 | 0.5 | 25 | |
| 1,1,1-Trichloroethane | 23.4 | 0.50 | ug/l | 25.0 | ND | 93 | 70-130 | 7 | 25 | |
| 1,1,2-Trichloroethane | 27.3 | 0.50 | ug/l | 25.0 | ND | 109 | 75-125 | 13 | 20 | |
| Trichloroethene | 90.0 | 0.50 | ug/l | 25.0 | 75.2 | 59 | 70-125 | 19 | 25 | M3 |
| Trichlorofluoromethane | 20.3 | 0.50 | ug/l | 25.0 | 0.450 | 79 | 65-150 | 14 | 25 | |
| 1,2,3-Trichloropropane | 22.4 | 1.0 | ug/l | 25.0 | ND | 90 | 70-130 | 1 | 25 | |
| 1,2,4-Trimethylbenzene | 22.3 | 0.50 | ug/l | 25.0 | ND | 89 | 70-125 | 17 | 30 | |
| 1,3,5-Trimethylbenzene | 22.6 | 0.50 | ug/l | 25.0 | ND | 91 | 75-130 | 18 | 25 | |
| Vinyl Acetate | 17.7 | 1.0 | ug/l | 25.0 | ND | 71 | 40-150 | 13 | 30 | |
| Vinyl chloride | 20.8 | 0.50 | ug/l | 25.0 | ND | 83 | 60-140 | 11 | 25 | |
| Xylenes, Total | 50.5 | 1.5 | ug/l | 50.0 | ND | 101 | 75-120 | 13 | 15 | |
| Freon 113 | 21.6 | 2.0 | ug/l | 25.0 | 0.300 | 85 | 65-140 | 14 | 20 | |
| Surrogate: Dibromofluoromethane | 28.9 | | ug/l | 25.0 | | 116 | 80-130 | | | |
| Surrogate: Toluene-d8 | 25.6 | | ug/l | 25.0 | | 102 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 25.8 | | ug/l | 25.0 | | 103 | 80-125 | | | |

TestAmerica Phoenix

Kylie Emily
 Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

Environmental Resources Management Inc.-West
 7272 E. Indian School Rd., Ste. 100
 Scottsdale, AZ 85251
 Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0850

Sampled: 09/14/11
 Received: 09/14/11

METHOD BLANK/QC DATA

1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-------|-------------|---------------------------|-----------|-----------|-----|-----------|-----------------|
| Batch: 1110614 Extracted: 09/17/11 | | | | | | | | | | |
| Blank Analyzed: 09/19/2011 (1110614-BLK1) | | | | | | | | | | |
| 1,4-Dioxane | ND | 1.0 | ug/l | | | | | | | |
| Surrogate: 1,4-Dioxane-d8 | 14.7 | | ug/l | 20.0 | | 73 | 38.6-88.3 | | | |
| Surrogate: Nitrobenzene-d5 | 17.4 | | ug/l | 20.0 | | 87 | 59.9-120 | | | |
| LCS Analyzed: 09/19/2011 (1110614-BS1) | | | | | | | | | | |
| 1,4-Dioxane | 20.5 | 1.0 | ug/l | 20.0 | | 103 | 80-120 | | | |
| Surrogate: 1,4-Dioxane-d8 | 15.4 | | ug/l | 20.0 | | 77 | 32-57 | | | S10 |
| Surrogate: Nitrobenzene-d5 | 18.3 | | ug/l | 20.0 | | 91 | 38-125 | | | |
| LCS Dup Analyzed: 09/19/2011 (1110614-BSD1) | | | | | | | | | | |
| 1,4-Dioxane | 20.3 | 1.0 | ug/l | 20.0 | | 102 | 80-120 | 0.9 | 25 | |
| Surrogate: 1,4-Dioxane-d8 | 13.6 | | ug/l | 20.0 | | 68 | 32-57 | | | S10 |
| Surrogate: Nitrobenzene-d5 | 15.8 | | ug/l | 20.0 | | 79 | 38-125 | | | |
| Matrix Spike Analyzed: 09/20/2011 (1110614-MS1) | | | | | | | | | | |
| | | | | | Source: PUI0850-03 | | | | | |
| 1,4-Dioxane | 26.7 | 1.2 | ug/l | 24.1 | 2.31 | 101 | 70-130 | | | |
| Surrogate: 1,4-Dioxane-d8 | 17.6 | | ug/l | 24.1 | | 73 | 36-81 | | | |
| Surrogate: Nitrobenzene-d5 | 21.7 | | ug/l | 24.1 | | 90 | 59-120 | | | |
| Matrix Spike Dup Analyzed: 09/20/2011 (1110614-MSD1) | | | | | | | | | | |
| | | | | | Source: PUI0850-03 | | | | | |
| 1,4-Dioxane | 23.6 | 1.0 | ug/l | 21.3 | 2.31 | 100 | 70-130 | 13 | 25 | |
| Surrogate: 1,4-Dioxane-d8 | 15.3 | | ug/l | 21.3 | | 72 | 36-81 | | | |
| Surrogate: Nitrobenzene-d5 | 19.6 | | ug/l | 21.3 | | 92 | 59-120 | | | |

TestAmerica Phoenix

Kylie Emily
 Project Manager

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0850

Sampled: 09/14/11
Received: 09/14/11

DATA QUALIFIERS AND DEFINITIONS

- L3** The associated blank spike recovery was above method acceptance limits.
- M2** Matrix spike recovery was low; the associated blank spike recovery was acceptable.
- M3** The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The associated blank spike recovery was acceptable.
- N1** See case narrative.
- R4** MS/MSD RPD exceeded the method acceptance limit. Recovery met acceptance criteria.
- S10** Surrogate recovery was above laboratory and method acceptance limits. See case narrative.
- ND** Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
- RPD** Relative Percent Difference

TestAmerica Phoenix

Kylie Emily
Project Manager

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PUI0850 <Page 41 of 42>

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0850

Sampled: 09/14/11
Received: 09/14/11

Certification Summary

TestAmerica Phoenix

| Method | Matrix | Nelac | Arizona |
|-----------|--------|-------|---------|
| EPA 8260B | Water | X | X |
| EPA 8270C | Water | | X |

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for TestAmerica may be obtained by contacting the laboratory or visiting our website at www.testamericainc.com

TestAmerica Phoenix

Kylie Emily
Project Manager

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PUI0850 <Page 42 of 42>

TestAmerica

CHAIN OF CUSTODY FORM

THE LEADER IN ENVIRONMENTAL TESTING
TAL-0013-550 (10/10)

Phoenix - 4625 E. Cotton Center Blvd., Suite 189, Phoenix, AZ 85040 (602) 437-3340 FAX (602) 454-9303
 Tucson - 1870 W. Prince Road, Suite 59, Tucson, AZ 85705 (520) 807-3801 FAX (520) 807-3803
 Las Vegas - 6000 S Eastern Ave., Suite 5E, Las Vegas, NV 89119 (702) 429-1264

Page 1 of 1

| Client Name/Address: | | Project/PO Number: | | Analysis Required | | | | | | | | | | | | | | | | |
|---|---------------|--------------------|------------|--|---------------|---------------|-----------|-----------------------|--------|--|--|--|--|--|--|--|--|--|--|---------------|
| ERM 7272 E Indian School Rd #100 Scottsdale, AZ 85251 | | OU3 0096498.030 | | | | | | | | | | | | | | | | | | |
| Project Manager: | | Phone Number: | | Special Instructions | | | | | | | | | | | | | | | | |
| Jason.Hilker@erm.com | | 480-998-2401 | | | | | | | | | | | | | | | | | | |
| Sampler: | | Fax Number: | | VOC 82608 SPEC 1,4 Dioxane 8270 MS/MSD PUI0850 | | | | | | | | | | | | | | | | |
| Adam Nagle | | | | | | | | | | | | | | | | | | | | |
| Sample Description | Sample Matrix | Container Type | # of Cont. | Sampling Date | Sampling Time | Preservatives | VOC 82608 | SPEC 1,4 Dioxane 8270 | MS/MSD | | | | | | | | | | | |
| OU3-11M2-M-091411 | WT | 3x40mL 4x1L | 5 | 9/14 | 0718 | HCl | X | X | | | | | | | | | | | | -01 |
| OU3-11M-M-091411 | | | 5 | 9/14 | 0822 | | X | X | | | | | | | | | | | | -02 |
| OU3-5M2-M-091411 | | | 5 | 9/14 | 1139 | | X | X | | | | | | | | | | | | -03 |
| OU3-5M2-M-091411-MSMSD | | 3x40mL 4x1L | 7 | 9/14 | 1139 | | X | X | X | | | | | | | | | | | 04 |
| OU3-5MR-M-091411 | | 3x40mL 4x1L | 5 | 9/14 | 1253 | | X | X | | | | | | | | | | | | -04 |
| OU3-5MR-M-091411-Q1 | | | 5 | 9/14 | 1253 | | X | X | | | | | | | | | | | | -05 |
| OU3-5DR-D-091411 | | | 5 | 9/14 | 1406 | | X | X | | | | | | | | | | | | -06 |
| GW-EB1-5-091411 | | | 5 | 9/14 | 1407 | | X | X | | | | | | | | | | | | 07 |
| GW-L1-5-091411 | | 1x40mL | 1 | 9/14 | - | HCl | X | | | | | | | | | | | | | Trip Blank |

| | | | | |
|---------------------------------|-----------------------------|--|--------------------------------|---------------------------------|
| Relinquished By: <u>ERM/ERM</u> | Date/Time: <u>9/14 1600</u> | Received By: <u>[Signature]</u> | Date/Time: <u>9-14-11 1600</u> | Turnaround Time: (Check) |
| Relinquished By: | Date/Time: | Received By: | Date/Time: | same day _____ 72 hours _____ |
| Relinquished By: | Date/Time: | Received in Lab By: <u>[Signature]</u> | Date/Time: <u>9-14-11 1600</u> | 24 hours _____ 5 days _____ |
| Relinquished By: | Date/Time: | | | 48 hours _____ normal <u>X</u> |
| | | | | Sample Integrity: (Check) |
| | | | | Intact <u>X</u> on ice <u>X</u> |

Note: By relinquishing samples to TestAmerica, client agrees to pay for the services requested on this chain of custody form and any additional analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 30 days.

3.1/1.0
2x

LABORATORY REPORT

Prepared For: Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project: OU3 0096498.030

Sampled: 09/15/11
Received: 09/15/11
Revised: 11/21/11 09:58

NELAP #01109CA Arizona DHS#AZ0728

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica. The Chain of Custody, 1 page, is included and is an integral part of this report.

This entire report was reviewed and approved for release.

CASE NARRATIVE

| LABORATORY ID | CLIENT ID | MATRIX |
|---------------|------------------|--------|
| PUI0947-01 | OU3-13D-D-091511 | Water |
| PUI0947-02 | OU3-2M-M-091511 | Water |

SAMPLE RECEIPT: Samples were received intact, at 2°C, on ice and with chain of custody documentation.

HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the TestAmerica Sample Acceptance Policy unless otherwise noted in the report.

PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

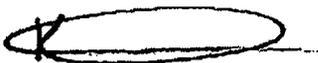
QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.
L3-Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.
R1-The RPD exceeded the acceptance limit.
S10-Surrogate recovery was above acceptance limits.
N1 = The Laboratory Control Sample recovered below and outside of client acceptance limits but within laboratory acceptance limits for for Cis-1,3-Dichloropropene. All associated samples are non-detect for this compound and therefore should not be impacted.

COMMENTS: No significant observations were made.

SUBCONTRACTED: No analyses were subcontracted to an outside laboratory.

ADDITIONAL INFORMATION: Report revised to reflect QAPP limits.

Reviewed By:



TestAmerica Phoenix

Kylie Emily
Project Manager

Environmental Resources Management Inc.-West
 7272 E. Indian School Rd., Ste. 100
 Scottsdale, AZ 85251
 Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0947

Sampled: 09/15/11
 Received: 09/15/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0947-01 (OU3-13D-D-091511 - Water) | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| Acetone | EPA 8260B | 1110768 | 10 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Benzene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Bromobenzene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Bromochloromethane | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Bromodichloromethane | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Bromoform | EPA 8260B | 1110768 | 1.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Bromomethane | EPA 8260B | 1110768 | 1.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 2-Butanone (MEK) | EPA 8260B | 1110768 | 2.5 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| n-Butylbenzene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| sec-Butylbenzene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| tert-Butylbenzene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Carbon disulfide | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Carbon tetrachloride | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Chlorobenzene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | L3 |
| Chloroethane | EPA 8260B | 1110768 | 1.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Chloroform | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Chloromethane | EPA 8260B | 1110768 | 1.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 2-Chlorotoluene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 4-Chlorotoluene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Dibromochloromethane | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,2-Dibromo-3-chloropropane | EPA 8260B | 1110768 | 2.5 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,2-Dibromoethane (EDB) | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Dibromomethane | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,2-Dichlorobenzene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,3-Dichlorobenzene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,4-Dichlorobenzene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Dichlorodifluoromethane | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,1-Dichloroethane | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,2-Dichloroethane | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,1-Dichloroethene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| cis-1,2-Dichloroethene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| trans-1,2-Dichloroethene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,2-Dichloropropane | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,3-Dichloropropane | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 2,2-Dichloropropane | EPA 8260B | 1110768 | 1.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,1-Dichloropropene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| cis-1,3-Dichloropropene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | N1 |
| trans-1,3-Dichloropropene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Ethylbenzene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Hexachlorobutadiene | EPA 8260B | 1110768 | 1.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |

TestAmerica Phoenix

Kylie Emily
 Project Manager

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0947

Sampled: 09/15/11
Received: 09/15/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0947-01 (OU3-13D-D-091511 - Water) - cont. | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| 2-Hexanone | EPA 8260B | 1110768 | 2.5 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Iodomethane | EPA 8260B | 1110768 | 2.5 | ND | 1 | 9/21/2011 | 9/21/2011 | L3 |
| Isopropylbenzene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| p-Isopropyltoluene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Methylene Chloride | EPA 8260B | 1110768 | 1.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 4-Methyl-2-pentanone (MIBK) | EPA 8260B | 1110768 | 2.5 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Methyl-tert-butyl Ether (MTBE) | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Naphthalene | EPA 8260B | 1110768 | 2.5 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| n-Propylbenzene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Styrene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,1,1,2-Tetrachloroethane | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,1,2,2-Tetrachloroethane | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Tetrachloroethene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Toluene | EPA 8260B | 1110768 | 0.50 | 3.0 | 1 | 9/21/2011 | 9/21/2011 | |
| 1,2,3-Trichlorobenzene | EPA 8260B | 1110768 | 1.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,2,4-Trichlorobenzene | EPA 8260B | 1110768 | 1.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,1,1-Trichloroethane | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,1,2-Trichloroethane | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Trichloroethene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Trichlorofluoromethane | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,2,3-Trichloropropane | EPA 8260B | 1110768 | 1.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,2,4-Trimethylbenzene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,3,5-Trimethylbenzene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Vinyl Acetate | EPA 8260B | 1110768 | 1.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Vinyl chloride | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Xylenes, Total | EPA 8260B | 1110768 | 1.5 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Freon 113 | EPA 8260B | 1110768 | 2.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Surrogate: Dibromofluoromethane (80-130%) | | | | | | | | 93 % |
| Surrogate: Toluene-d8 (80-120%) | | | | | | | | 99 % |
| Surrogate: 4-Bromofluorobenzene (80-125%) | | | | | | | | 88 % |

TestAmerica Phoenix

Kylie Emily
Project Manager

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PUI0947 <Page 3 of 19>

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0947

Sampled: 09/15/11
Received: 09/15/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0947-02 (OU3-2M-M-091511 - Water) | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| Acetone | EPA 8260B | 1110768 | 10 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Benzene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Bromobenzene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Bromochloromethane | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Bromodichloromethane | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Bromoform | EPA 8260B | 1110768 | 1.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Bromomethane | EPA 8260B | 1110768 | 1.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 2-Butanone (MEK) | EPA 8260B | 1110768 | 2.5 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| n-Butylbenzene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| sec-Butylbenzene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| tert-Butylbenzene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Carbon disulfide | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Carbon tetrachloride | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Chlorobenzene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | L3 |
| Chloroethane | EPA 8260B | 1110768 | 1.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Chloroform | EPA 8260B | 1110768 | 0.50 | 0.83 | 1 | 9/21/2011 | 9/21/2011 | |
| Chloromethane | EPA 8260B | 1110768 | 1.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 2-Chlorotoluene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 4-Chlorotoluene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Dibromochloromethane | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,2-Dibromo-3-chloropropane | EPA 8260B | 1110768 | 2.5 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,2-Dibromoethane (EDB) | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Dibromomethane | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,2-Dichlorobenzene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,3-Dichlorobenzene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,4-Dichlorobenzene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Dichlorodifluoromethane | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,1-Dichloroethane | EPA 8260B | 1110768 | 0.50 | 3.4 | 1 | 9/21/2011 | 9/21/2011 | |
| 1,2-Dichloroethane | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,1-Dichloroethene | EPA 8260B | 1110768 | 0.50 | 5.6 | 1 | 9/21/2011 | 9/21/2011 | |
| cis-1,2-Dichloroethene | EPA 8260B | 1110768 | 0.50 | 5.5 | 1 | 9/21/2011 | 9/21/2011 | |
| trans-1,2-Dichloroethene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,2-Dichloropropane | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,3-Dichloropropane | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 2,2-Dichloropropane | EPA 8260B | 1110768 | 1.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,1-Dichloropropene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| cis-1,3-Dichloropropene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | N1 |
| trans-1,3-Dichloropropene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Ethylbenzene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Hexachlorobutadiene | EPA 8260B | 1110768 | 1.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |

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Project Manager

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Environmental Resources Management Inc.-West
 7272 E. Indian School Rd., Ste. 100
 Scottsdale, AZ 85251
 Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0947

Sampled: 09/15/11
 Received: 09/15/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0947-02 (OU3-2M-M-091511 - Water) - cont. | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| 2-Hexanone | EPA 8260B | 1110768 | 2.5 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Iodomethane | EPA 8260B | 1110768 | 2.5 | ND | 1 | 9/21/2011 | 9/21/2011 | L3 |
| Isopropylbenzene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| p-Isopropyltoluene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Methylene Chloride | EPA 8260B | 1110768 | 1.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 4-Methyl-2-pentanone (MIBK) | EPA 8260B | 1110768 | 2.5 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Methyl-tert-butyl Ether (MTBE) | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Naphthalene | EPA 8260B | 1110768 | 2.5 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| n-Propylbenzene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Styrene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,1,1,2-Tetrachloroethane | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,1,2,2-Tetrachloroethane | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Tetrachloroethene | EPA 8260B | 1110768 | 0.50 | 1.1 | 1 | 9/21/2011 | 9/21/2011 | |
| Toluene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,2,3-Trichlorobenzene | EPA 8260B | 1110768 | 1.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,2,4-Trichlorobenzene | EPA 8260B | 1110768 | 1.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,1,1-Trichloroethane | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,1,2-Trichloroethane | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Trichloroethene | EPA 8260B | 1110768 | 0.50 | 26 | 1 | 9/21/2011 | 9/21/2011 | |
| Trichlorofluoromethane | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,2,3-Trichloropropane | EPA 8260B | 1110768 | 1.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,2,4-Trimethylbenzene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,3,5-Trimethylbenzene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Vinyl Acetate | EPA 8260B | 1110768 | 1.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Vinyl chloride | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Xylenes, Total | EPA 8260B | 1110768 | 1.5 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Freon 113 | EPA 8260B | 1110768 | 2.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Surrogate: Dibromofluoromethane (80-130%) | | | | 93 % | | | | |
| Surrogate: Toluene-d8 (80-120%) | | | | 94 % | | | | |
| Surrogate: 4-Bromofluorobenzene (80-125%) | | | | 89 % | | | | |

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Kylie Emily
 Project Manager

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0947

Sampled: 09/15/11

Received: 09/15/11

1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0947-01 (OU3-13D-D-091511 - Water) | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| 1,4-Dioxane | EPA 8270C | 11I0655 | 1.0 | ND | 1 | 9/19/2011 | 9/20/2011 | |
| Surrogate: 1,4-Dioxane-d8 (38.6-88.3%) | | | | 68 % | | | | |
| Surrogate: Nitrobenzene-d5 (59.9-120%) | | | | 81 % | | | | |
| Sample ID: PUI0947-02 (OU3-2M-M-091511 - Water) | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| 1,4-Dioxane | EPA 8270C | 11I0655 | 1.0 | 1.8 | 1 | 9/19/2011 | 9/20/2011 | |
| Surrogate: 1,4-Dioxane-d8 (38.6-88.3%) | | | | 75 % | | | | |
| Surrogate: Nitrobenzene-d5 (59.9-120%) | | | | 90 % | | | | |

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Environmental Resources Management Inc.-West
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 Scottsdale, AZ 85251
 Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0947

Sampled: 09/15/11
 Received: 09/15/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | RPD Limits | RPD RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------|-----------|------------|---------|-----------|-----------------|
| Batch: 1110768 Extracted: 09/21/11 | | | | | | | | | | |
| Blank Analyzed: 09/21/2011 (1110768-BLK1) | | | | | | | | | | |
| Acetone | ND | 10 | ug/l | | | | | | | |
| Benzene | ND | 0.50 | ug/l | | | | | | | |
| Bromobenzene | ND | 0.50 | ug/l | | | | | | | |
| Bromochloromethane | ND | 0.50 | ug/l | | | | | | | |
| Bromodichloromethane | ND | 0.50 | ug/l | | | | | | | |
| Bromoform | ND | 1.0 | ug/l | | | | | | | |
| Bromomethane | ND | 1.0 | ug/l | | | | | | | |
| 2-Butanone (MEK) | ND | 2.5 | ug/l | | | | | | | |
| n-Butylbenzene | ND | 0.50 | ug/l | | | | | | | |
| sec-Butylbenzene | ND | 0.50 | ug/l | | | | | | | |
| tert-Butylbenzene | ND | 0.50 | ug/l | | | | | | | |
| Carbon disulfide | ND | 0.50 | ug/l | | | | | | | |
| Carbon tetrachloride | ND | 0.50 | ug/l | | | | | | | |
| Chlorobenzene | ND | 0.50 | ug/l | | | | | | | |
| Chloroethane | ND | 1.0 | ug/l | | | | | | | |
| Chloroform | ND | 0.50 | ug/l | | | | | | | |
| Chloromethane | ND | 1.0 | ug/l | | | | | | | |
| 2-Chlorotoluene | ND | 0.50 | ug/l | | | | | | | |
| 4-Chlorotoluene | ND | 0.50 | ug/l | | | | | | | |
| Dibromochloromethane | ND | 0.50 | ug/l | | | | | | | |
| 1,2-Dibromo-3-chloropropane | ND | 2.5 | ug/l | | | | | | | |
| 1,2-Dibromoethane (EDB) | ND | 0.50 | ug/l | | | | | | | |
| Dibromomethane | ND | 0.50 | ug/l | | | | | | | |
| 1,2-Dichlorobenzene | ND | 0.50 | ug/l | | | | | | | |
| 1,3-Dichlorobenzene | ND | 0.50 | ug/l | | | | | | | |
| 1,4-Dichlorobenzene | ND | 0.50 | ug/l | | | | | | | |
| Dichlorodifluoromethane | ND | 0.50 | ug/l | | | | | | | |
| 1,1-Dichloroethane | ND | 0.50 | ug/l | | | | | | | |
| 1,2-Dichloroethane | ND | 0.50 | ug/l | | | | | | | |
| 1,1-Dichloroethene | ND | 0.50 | ug/l | | | | | | | |
| cis-1,2-Dichloroethene | ND | 0.50 | ug/l | | | | | | | |
| trans-1,2-Dichloroethene | ND | 0.50 | ug/l | | | | | | | |
| 1,2-Dichloropropane | ND | 0.50 | ug/l | | | | | | | |
| 1,3-Dichloropropane | ND | 0.50 | ug/l | | | | | | | |
| 2,2-Dichloropropane | ND | 1.0 | ug/l | | | | | | | |

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Environmental Resources Management Inc.-West
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Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0947

Sampled: 09/15/11
Received: 09/15/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | Limits RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------|-----------|------------|-----------|-----------------|
| Batch: 1110768 Extracted: 09/21/11 | | | | | | | | | |
| Blank Analyzed: 09/21/2011 (1110768-BLK1) | | | | | | | | | |
| 1,1-Dichloropropene | ND | 0.50 | ug/l | | | | | | |
| cis-1,3-Dichloropropene | ND | 0.50 | ug/l | | | | | | |
| trans-1,3-Dichloropropene | ND | 0.50 | ug/l | | | | | | |
| Ethylbenzene | ND | 0.50 | ug/l | | | | | | |
| Hexachlorobutadiene | ND | 1.0 | ug/l | | | | | | |
| 2-Hexanone | ND | 2.5 | ug/l | | | | | | |
| Iodomethane | ND | 2.5 | ug/l | | | | | | |
| Isopropylbenzene | ND | 0.50 | ug/l | | | | | | |
| p-Isopropyltoluene | ND | 0.50 | ug/l | | | | | | |
| Methylene Chloride | ND | 1.0 | ug/l | | | | | | |
| 4-Methyl-2-pentanone (MIBK) | ND | 2.5 | ug/l | | | | | | |
| Methyl-tert-butyl Ether (MTBE) | ND | 0.50 | ug/l | | | | | | |
| Naphthalene | ND | 2.5 | ug/l | | | | | | |
| n-Propylbenzene | ND | 0.50 | ug/l | | | | | | |
| Styrene | ND | 0.50 | ug/l | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 0.50 | ug/l | | | | | | |
| 1,1,2,2-Tetrachloroethane | ND | 0.50 | ug/l | | | | | | |
| Tetrachloroethene | ND | 0.50 | ug/l | | | | | | |
| Toluene | ND | 0.50 | ug/l | | | | | | |
| 1,2,3-Trichlorobenzene | ND | 1.0 | ug/l | | | | | | |
| 1,2,4-Trichlorobenzene | ND | 1.0 | ug/l | | | | | | |
| 1,1,1-Trichloroethane | ND | 0.50 | ug/l | | | | | | |
| 1,1,2-Trichloroethane | ND | 0.50 | ug/l | | | | | | |
| Trichloroethene | ND | 0.50 | ug/l | | | | | | |
| Trichlorofluoromethane | ND | 0.50 | ug/l | | | | | | |
| 1,2,3-Trichloropropane | ND | 1.0 | ug/l | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 0.50 | ug/l | | | | | | |
| 1,3,5-Trimethylbenzene | ND | 0.50 | ug/l | | | | | | |
| Vinyl Acetate | ND | 1.0 | ug/l | | | | | | |
| Vinyl chloride | ND | 0.50 | ug/l | | | | | | |
| Xylenes, Total | ND | 1.5 | ug/l | | | | | | |
| Freon 113 | ND | 2.0 | ug/l | | | | | | |
| Surrogate: Dibromofluoromethane | 23.0 | | ug/l | 25.0 | | 92 | 80-130 | | |
| Surrogate: Toluene-d8 | 25.2 | | ug/l | 25.0 | | 101 | 80-120 | | |
| Surrogate: 4-Bromofluorobenzene | 22.0 | | ug/l | 25.0 | | 88 | 80-125 | | |

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0947

Sampled: 09/15/11
Received: 09/15/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | RPD Limits | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-------|-------------|---------------|-----------|------------|-----------|-----------------|
| Batch: 1110768 Extracted: 09/21/11 | | | | | | | | | |
| LCS Analyzed: 09/21/2011 (1110768-BS1) | | | | | | | | | |
| Acetone | 24.6 | 10 | ug/l | 25.0 | | 98 | 10-150 | | |
| Benzene | 23.5 | 0.50 | ug/l | 25.0 | | 94 | 80-120 | | |
| Bromobenzene | 22.8 | 0.50 | ug/l | 25.0 | | 91 | 80-120 | | |
| Bromochloromethane | 22.4 | 0.50 | ug/l | 25.0 | | 90 | 80-125 | | |
| Bromodichloromethane | 20.0 | 0.50 | ug/l | 25.0 | | 80 | 80-120 | | |
| Bromoform | 21.8 | 1.0 | ug/l | 25.0 | | 87 | 75-130 | | |
| Bromomethane | 23.6 | 1.0 | ug/l | 25.0 | | 94 | 55-150 | | |
| 2-Butanone (MEK) | 21.3 | 2.5 | ug/l | 25.0 | | 85 | 40-150 | | |
| n-Butylbenzene | 20.7 | 0.50 | ug/l | 25.0 | | 83 | 80-130 | | |
| sec-Butylbenzene | 22.0 | 0.50 | ug/l | 25.0 | | 88 | 80-125 | | |
| tert-Butylbenzene | 21.2 | 0.50 | ug/l | 25.0 | | 85 | 80-120 | | |
| Carbon disulfide | 21.9 | 0.50 | ug/l | 25.0 | | 88 | 70-140 | | |
| Carbon tetrachloride | 22.5 | 0.50 | ug/l | 25.0 | | 90 | 75-130 | | |
| Chlorobenzene | 23.8 | 0.50 | ug/l | 25.0 | | 95 | 80-120 | | |
| Chloroethane | 20.9 | 1.0 | ug/l | 25.0 | | 83 | 70-130 | | |
| Chloroform | 21.6 | 0.50 | ug/l | 25.0 | | 87 | 75-120 | | |
| Chloromethane | 17.6 | 1.0 | ug/l | 25.0 | | 70 | 60-140 | | |
| 2-Chlorotoluene | 21.1 | 0.50 | ug/l | 25.0 | | 85 | 80-120 | | |
| 4-Chlorotoluene | 21.2 | 0.50 | ug/l | 25.0 | | 85 | 80-120 | | |
| Dibromochloromethane | 21.0 | 0.50 | ug/l | 25.0 | | 84 | 80-120 | | |
| 1,2-Dibromo-3-chloropropane | 21.1 | 2.5 | ug/l | 25.0 | | 84 | 50-150 | | |
| 1,2-Dibromoethane (EDB) | 22.6 | 0.50 | ug/l | 25.0 | | 90 | 80-120 | | |
| Dibromomethane | 21.8 | 0.50 | ug/l | 25.0 | | 87 | 75-120 | | |
| 1,2-Dichlorobenzene | 22.7 | 0.50 | ug/l | 25.0 | | 91 | 80-120 | | |
| 1,3-Dichlorobenzene | 22.7 | 0.50 | ug/l | 25.0 | | 91 | 80-120 | | |
| 1,4-Dichlorobenzene | 22.6 | 0.50 | ug/l | 25.0 | | 91 | 80-120 | | |
| Dichlorodifluoromethane | 17.5 | 0.50 | ug/l | 25.0 | | 70 | 60-150 | | |
| 1,1-Dichloroethane | 21.4 | 0.50 | ug/l | 25.0 | | 86 | 70-125 | | |
| 1,2-Dichloroethane | 20.0 | 0.50 | ug/l | 25.0 | | 80 | 75-130 | | |
| 1,1-Dichloroethene | 22.7 | 0.50 | ug/l | 25.0 | | 91 | 75-125 | | |
| cis-1,2-Dichloroethene | 21.0 | 0.50 | ug/l | 25.0 | | 84 | 80-120 | | |
| trans-1,2-Dichloroethene | 22.2 | 0.50 | ug/l | 25.0 | | 89 | 80-120 | | |
| 1,2-Dichloropropane | 21.4 | 0.50 | ug/l | 25.0 | | 86 | 80-120 | | |
| 1,3-Dichloropropane | 22.0 | 0.50 | ug/l | 25.0 | | 88 | 80-120 | | |
| 2,2-Dichloropropane | 19.7 | 1.0 | ug/l | 25.0 | | 79 | 75-130 | | |

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0947

Sampled: 09/15/11
Received: 09/15/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | Limit | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-------|-------------|---------------|-----------|--------|-----|-----------|-----------------|
| Batch: 1110768 Extracted: 09/21/11 | | | | | | | | | | |
| LCS Analyzed: 09/21/2011 (1110768-BS1) | | | | | | | | | | |
| 1,1-Dichloropropene | 21.1 | 0.50 | ug/l | 25.0 | | 84 | 75-120 | | | |
| cis-1,3-Dichloropropene | 19.5 | 0.50 | ug/l | 25.0 | | 78 | 80-120 | | | NI |
| trans-1,3-Dichloropropene | 20.2 | 0.50 | ug/l | 25.0 | | 81 | 80-125 | | | |
| Ethylbenzene | 22.9 | 0.50 | ug/l | 25.0 | | 92 | 80-120 | | | |
| Hexachlorobutadiene | 22.7 | 1.0 | ug/l | 25.0 | | 91 | 40-150 | | | |
| 2-Hexanone | 18.5 | 2.5 | ug/l | 25.0 | | 74 | 20-150 | | | |
| Iodomethane | 31.1 | 2.5 | ug/l | 25.0 | | 124 | 80-130 | | | |
| Isopropylbenzene | 23.0 | 0.50 | ug/l | 25.0 | | 92 | 80-130 | | | |
| p-Isopropyltoluene | 21.7 | 0.50 | ug/l | 25.0 | | 87 | 80-130 | | | |
| Methylene Chloride | 23.1 | 1.0 | ug/l | 25.0 | | 92 | 70-120 | | | |
| 4-Methyl-2-pentanone (MIBK) | 18.9 | 2.5 | ug/l | 25.0 | | 76 | 60-135 | | | |
| Methyl-tert-butyl Ether (MTBE) | 18.9 | 0.50 | ug/l | 25.0 | | 76 | 70-130 | | | |
| Naphthalene | 20.9 | 2.5 | ug/l | 25.0 | | 83 | 40-150 | | | |
| n-Propylbenzene | 21.7 | 0.50 | ug/l | 25.0 | | 87 | 75-130 | | | |
| Styrene | 20.3 | 0.50 | ug/l | 25.0 | | 81 | 80-120 | | | |
| 1,1,1,2-Tetrachloroethane | 23.2 | 0.50 | ug/l | 25.0 | | 93 | 75-125 | | | |
| 1,1,2,2-Tetrachloroethane | 22.6 | 0.50 | ug/l | 25.0 | | 90 | 80-120 | | | |
| Tetrachloroethene | 24.1 | 0.50 | ug/l | 25.0 | | 96 | 70-130 | | | |
| Toluene | 23.1 | 0.50 | ug/l | 25.0 | | 92 | 80-120 | | | |
| 1,2,3-Trichlorobenzene | 22.5 | 1.0 | ug/l | 25.0 | | 90 | 55-150 | | | |
| 1,2,4-Trichlorobenzene | 22.0 | 1.0 | ug/l | 25.0 | | 88 | 50-150 | | | |
| 1,1,1-Trichloroethane | 21.7 | 0.50 | ug/l | 25.0 | | 87 | 75-125 | | | |
| 1,1,2-Trichloroethane | 22.8 | 0.50 | ug/l | 25.0 | | 91 | 80-120 | | | |
| Trichloroethene | 22.1 | 0.50 | ug/l | 25.0 | | 89 | 80-120 | | | |
| Trichlorofluoromethane | 21.3 | 0.50 | ug/l | 25.0 | | 85 | 70-150 | | | |
| 1,2,3-Trichloropropane | 19.5 | 1.0 | ug/l | 25.0 | | 78 | 70-130 | | | |
| 1,2,4-Trimethylbenzene | 21.4 | 0.50 | ug/l | 25.0 | | 86 | 80-120 | | | |
| 1,3,5-Trimethylbenzene | 21.8 | 0.50 | ug/l | 25.0 | | 87 | 80-130 | | | |
| Vinyl Acetate | 19.3 | 1.0 | ug/l | 25.0 | | 77 | 40-150 | | | |
| Vinyl chloride | 21.1 | 0.50 | ug/l | 25.0 | | 85 | 70-130 | | | |
| Xylenes, Total | 45.2 | 1.5 | ug/l | 50.0 | | 90 | 60-140 | | | |
| Freon 113 | 23.1 | 2.0 | ug/l | 25.0 | | 92 | 60-140 | | | |
| Surrogate: Dibromofluoromethane | 24.6 | | ug/l | 25.0 | | 98 | 80-130 | | | |
| Surrogate: Toluene-d8 | 24.6 | | ug/l | 25.0 | | 98 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 22.9 | | ug/l | 25.0 | | 92 | 80-125 | | | |

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0947

Sampled: 09/15/11
Received: 09/15/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------|-----------|-------------|---------|-----------|-----------------|
| Batch: 1110768 Extracted: 09/21/11 | | | | | | | | | | |
| LCS Dup Analyzed: 09/21/2011 (1110768-BSD1) | | | | | | | | | | |
| Acetone | 26.2 | 10 | ug/l | 25.0 | 105 | 10-150 | 6 | 35 | | |
| Benzene | 27.6 | 0.50 | ug/l | 25.0 | 110 | 80-120 | 16 | 15 | | R6 |
| Bromobenzene | 29.4 | 0.50 | ug/l | 25.0 | 118 | 80-120 | 25 | 15 | | R6 |
| Bromochloromethane | 26.6 | 0.50 | ug/l | 25.0 | 106 | 80-125 | 17 | 15 | | R6 |
| Bromodichloromethane | 23.9 | 0.50 | ug/l | 25.0 | 95 | 80-120 | 18 | 15 | | R6 |
| Bromoform | 28.9 | 1.0 | ug/l | 25.0 | 116 | 75-130 | 28 | 20 | | R6 |
| Bromomethane | 28.0 | 1.0 | ug/l | 25.0 | 112 | 55-150 | 17 | 20 | | |
| 2-Butanone (MEK) | 26.1 | 2.5 | ug/l | 25.0 | 105 | 40-150 | 20 | 35 | | |
| n-Butylbenzene | 26.4 | 0.50 | ug/l | 25.0 | 106 | 80-130 | 24 | 15 | | R6 |
| sec-Butylbenzene | 28.1 | 0.50 | ug/l | 25.0 | 112 | 80-125 | 24 | 15 | | R6 |
| tert-Butylbenzene | 27.5 | 0.50 | ug/l | 25.0 | 110 | 80-120 | 26 | 15 | | R6 |
| Carbon disulfide | 26.3 | 0.50 | ug/l | 25.0 | 105 | 70-140 | 18 | 15 | | R6 |
| Carbon tetrachloride | 27.8 | 0.50 | ug/l | 25.0 | 111 | 75-130 | 21 | 20 | | R6 |
| Chlorobenzene | 30.2 | 0.50 | ug/l | 25.0 | 121 | 80-120 | 24 | 15 | | L3, R1 |
| Chloroethane | 23.1 | 1.0 | ug/l | 25.0 | 92 | 70-130 | 10 | 15 | | |
| Chloroform | 25.5 | 0.50 | ug/l | 25.0 | 102 | 75-120 | 16 | 15 | | R6 |
| Chloromethane | 20.9 | 1.0 | ug/l | 25.0 | 84 | 60-140 | 17 | 20 | | |
| 2-Chlorotoluene | 26.5 | 0.50 | ug/l | 25.0 | 106 | 80-120 | 23 | 15 | | R6 |
| 4-Chlorotoluene | 26.8 | 0.50 | ug/l | 25.0 | 107 | 80-120 | 23 | 15 | | R6 |
| Dibromochloromethane | 27.3 | 0.50 | ug/l | 25.0 | 109 | 80-120 | 26 | 15 | | R6 |
| 1,2-Dibromo-3-chloropropane | 25.0 | 2.5 | ug/l | 25.0 | 100 | 50-150 | 17 | 35 | | |
| 1,2-Dibromoethane (EDB) | 29.1 | 0.50 | ug/l | 25.0 | 116 | 80-120 | 25 | 15 | | R6 |
| Dibromomethane | 27.5 | 0.50 | ug/l | 25.0 | 110 | 75-120 | 23 | 15 | | R6 |
| 1,2-Dichlorobenzene | 29.0 | 0.50 | ug/l | 25.0 | 116 | 80-120 | 24 | 15 | | R6 |
| 1,3-Dichlorobenzene | 29.2 | 0.50 | ug/l | 25.0 | 117 | 80-120 | 25 | 15 | | R6 |
| 1,4-Dichlorobenzene | 29.0 | 0.50 | ug/l | 25.0 | 116 | 80-120 | 25 | 15 | | R6 |
| Dichlorodifluoromethane | 21.0 | 0.50 | ug/l | 25.0 | 84 | 60-150 | 18 | 30 | | |
| 1,1-Dichloroethane | 25.6 | 0.50 | ug/l | 25.0 | 102 | 70-125 | 18 | 15 | | R6 |
| 1,2-Dichloroethane | 24.2 | 0.50 | ug/l | 25.0 | 97 | 75-130 | 19 | 15 | | R6 |
| 1,1-Dichloroethene | 27.8 | 0.50 | ug/l | 25.0 | 111 | 75-125 | 20 | 20 | | |
| cis-1,2-Dichloroethene | 24.4 | 0.50 | ug/l | 25.0 | 98 | 80-120 | 15 | 15 | | |
| trans-1,2-Dichloroethene | 25.8 | 0.50 | ug/l | 25.0 | 103 | 80-120 | 15 | 15 | | |
| 1,2-Dichloropropane | 25.8 | 0.50 | ug/l | 25.0 | 103 | 80-120 | 19 | 15 | | R6 |
| 1,3-Dichloropropane | 26.2 | 0.50 | ug/l | 25.0 | 105 | 80-120 | 17 | 15 | | R6 |
| 2,2-Dichloropropane | 23.9 | 1.0 | ug/l | 25.0 | 95 | 75-130 | 19 | 15 | | R6 |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0947

Sampled: 09/15/11
Received: 09/15/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------|-----------|--------|-----|-----------|-----------------|
| Batch: 1110768 Extracted: 09/21/11 | | | | | | | | | | |
| LCS Dup Analyzed: 09/21/2011 (1110768-BSD1) | | | | | | | | | | |
| 1,1-Dichloropropene | 25.2 | 0.50 | ug/l | 25.0 | | 101 | 75-120 | 18 | 15 | R6 |
| cis-1,3-Dichloropropene | 24.2 | 0.50 | ug/l | 25.0 | | 97 | 80-120 | 21 | 15 | R1 |
| trans-1,3-Dichloropropene | 23.3 | 0.50 | ug/l | 25.0 | | 93 | 80-125 | 14 | 15 | |
| Ethylbenzene | 29.2 | 0.50 | ug/l | 25.0 | | 117 | 80-120 | 24 | 15 | R6 |
| Hexachlorobutadiene | 28.3 | 1.0 | ug/l | 25.0 | | 113 | 40-150 | 22 | 35 | |
| 2-Hexanone | 23.3 | 2.5 | ug/l | 25.0 | | 93 | 20-150 | 23 | 35 | |
| Iodomethane | 36.6 | 2.5 | ug/l | 25.0 | | 146 | 80-130 | 16 | 10 | L3, R1 |
| Isopropylbenzene | 29.4 | 0.50 | ug/l | 25.0 | | 118 | 80-130 | 25 | 15 | R6 |
| p-Isopropyltoluene | 27.7 | 0.50 | ug/l | 25.0 | | 111 | 80-130 | 24 | 15 | R6 |
| Methylene Chloride | 27.3 | 1.0 | ug/l | 25.0 | | 109 | 70-120 | 17 | 15 | R6 |
| 4-Methyl-2-pentanone (MIBK) | 21.9 | 2.5 | ug/l | 25.0 | | 88 | 60-135 | 15 | 25 | |
| Methyl-tert-butyl Ether (MTBE) | 23.1 | 0.50 | ug/l | 25.0 | | 92 | 70-130 | 20 | 20 | |
| Naphthalene | 26.6 | 2.5 | ug/l | 25.0 | | 107 | 40-150 | 24 | 30 | |
| n-Propylbenzene | 28.2 | 0.50 | ug/l | 25.0 | | 113 | 75-130 | 26 | 15 | R6 |
| Styrene | 26.0 | 0.50 | ug/l | 25.0 | | 104 | 80-120 | 25 | 15 | R6 |
| 1,1,1,2-Tetrachloroethane | 28.3 | 0.50 | ug/l | 25.0 | | 113 | 75-125 | 20 | 15 | R6 |
| 1,1,1,2,2-Tetrachloroethane | 27.6 | 0.50 | ug/l | 25.0 | | 110 | 80-120 | 20 | 20 | |
| Tetrachloroethene | 31.7 | 0.50 | ug/l | 25.0 | | 127 | 70-130 | 28 | 20 | R6 |
| Toluene | 26.3 | 0.50 | ug/l | 25.0 | | 105 | 80-120 | 13 | 15 | |
| 1,2,3-Trichlorobenzene | 29.2 | 1.0 | ug/l | 25.0 | | 117 | 55-150 | 26 | 35 | |
| 1,2,4-Trichlorobenzene | 28.9 | 1.0 | ug/l | 25.0 | | 116 | 50-150 | 27 | 30 | |
| 1,1,1-Trichloroethane | 26.0 | 0.50 | ug/l | 25.0 | | 104 | 75-125 | 18 | 15 | R6 |
| 1,1,2-Trichloroethane | 25.1 | 0.50 | ug/l | 25.0 | | 101 | 80-120 | 10 | 15 | |
| Trichloroethene | 27.8 | 0.50 | ug/l | 25.0 | | 111 | 80-120 | 23 | 15 | R6 |
| Trichlorofluoromethane | 25.6 | 0.50 | ug/l | 25.0 | | 102 | 70-150 | 18 | 25 | |
| 1,2,3-Trichloropropane | 25.9 | 1.0 | ug/l | 25.0 | | 104 | 70-130 | 28 | 20 | R6 |
| 1,2,4-Trimethylbenzene | 27.3 | 0.50 | ug/l | 25.0 | | 109 | 80-120 | 24 | 15 | R6 |
| 1,3,5-Trimethylbenzene | 27.8 | 0.50 | ug/l | 25.0 | | 111 | 80-130 | 24 | 15 | R6 |
| Vinyl Acetate | 23.4 | 1.0 | ug/l | 25.0 | | 94 | 40-150 | 19 | 25 | |
| Vinyl chloride | 24.8 | 0.50 | ug/l | 25.0 | | 99 | 70-130 | 16 | 20 | |
| Xylenes, Total | 57.9 | 1.5 | ug/l | 50.0 | | 116 | 60-140 | 25 | 15 | R6 |
| Freon 113 | 28.7 | 2.0 | ug/l | 25.0 | | 115 | 60-140 | 22 | 15 | R6 |
| Surrogate: Dibromofluoromethane | 24.4 | | ug/l | 25.0 | | 98 | 80-130 | | | |
| Surrogate: Toluene-d8 | 24.1 | | ug/l | 25.0 | | 96 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 25.0 | | ug/l | 25.0 | | 100 | 80-125 | | | |

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030
Report Number: PUI0947

Sampled: 09/15/11
Received: 09/15/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------------------|------|-------------|-----|-----------|-----------------|
| Batch: 1110768 Extracted: 09/21/11 | | | | | | | | | | |
| Matrix Spike Analyzed: 09/21/2011 (1110768-MS1) | | | | | Source: PUI0949-03 | | | | | |
| Acetone | 18.2 | 10 | ug/l | 25.0 | ND | 73 | 10-150 | | | |
| Benzene | 26.6 | 0.50 | ug/l | 25.0 | 0.190 | 106 | 70-125 | | | |
| Bromobenzene | 27.4 | 0.50 | ug/l | 25.0 | ND | 109 | 75-120 | | | |
| Bromochloromethane | 25.5 | 0.50 | ug/l | 25.0 | ND | 102 | 75-130 | | | |
| Bromodichloromethane | 23.1 | 0.50 | ug/l | 25.0 | ND | 93 | 75-125 | | | |
| Bromoform | 25.3 | 1.0 | ug/l | 25.0 | ND | 101 | 65-125 | | | |
| Bromomethane | 27.9 | 1.0 | ug/l | 25.0 | ND | 112 | 45-150 | | | |
| 2-Butanone (MEK) | 24.4 | 2.5 | ug/l | 25.0 | ND | 97 | 15-150 | | | |
| n-Butylbenzene | 26.1 | 0.50 | ug/l | 25.0 | ND | 104 | 70-130 | | | |
| sec-Butylbenzene | 27.4 | 0.50 | ug/l | 25.0 | ND | 110 | 70-125 | | | |
| tert-Butylbenzene | 26.8 | 0.50 | ug/l | 25.0 | ND | 107 | 70-125 | | | |
| Carbon disulfide | 26.3 | 0.50 | ug/l | 25.0 | ND | 105 | 65-145 | | | |
| Carbon tetrachloride | 26.6 | 0.50 | ug/l | 25.0 | ND | 106 | 65-135 | | | |
| Chlorobenzene | 29.8 | 0.50 | ug/l | 25.0 | ND | 119 | 75-120 | | | |
| Chloroethane | 23.3 | 1.0 | ug/l | 25.0 | ND | 93 | 65-140 | | | |
| Chloroform | 26.0 | 0.50 | ug/l | 25.0 | 0.860 | 100 | 70-130 | | | |
| Chloromethane | 20.7 | 1.0 | ug/l | 25.0 | ND | 83 | 55-145 | | | |
| 2-Chlorotoluene | 25.8 | 0.50 | ug/l | 25.0 | ND | 103 | 70-125 | | | |
| 4-Chlorotoluene | 25.3 | 0.50 | ug/l | 25.0 | ND | 101 | 70-125 | | | |
| Dibromochloromethane | 25.2 | 0.50 | ug/l | 25.0 | ND | 101 | 70-130 | | | |
| 1,2-Dibromo-3-chloropropane | 22.4 | 2.5 | ug/l | 25.0 | ND | 90 | 50-150 | | | |
| 1,2-Dibromoethane (EDB) | 26.0 | 0.50 | ug/l | 25.0 | ND | 104 | 70-125 | | | |
| Dibromomethane | 25.8 | 0.50 | ug/l | 25.0 | ND | 103 | 70-120 | | | |
| 1,2-Dichlorobenzene | 26.4 | 0.50 | ug/l | 25.0 | ND | 106 | 75-120 | | | |
| 1,3-Dichlorobenzene | 27.4 | 0.50 | ug/l | 25.0 | ND | 110 | 75-120 | | | |
| 1,4-Dichlorobenzene | 27.4 | 0.50 | ug/l | 25.0 | ND | 109 | 70-125 | | | |
| Dichlorodifluoromethane | 20.6 | 0.50 | ug/l | 25.0 | ND | 82 | 60-150 | | | |
| 1,1-Dichloroethane | 26.6 | 0.50 | ug/l | 25.0 | 1.78 | 99 | 70-130 | | | |
| 1,2-Dichloroethane | 22.6 | 0.50 | ug/l | 25.0 | ND | 91 | 65-140 | | | |
| 1,1-Dichloroethene | 29.8 | 0.50 | ug/l | 25.0 | 2.46 | 109 | 70-130 | | | |
| cis-1,2-Dichloroethene | 26.4 | 0.50 | ug/l | 25.0 | 2.42 | 96 | 70-125 | | | |
| trans-1,2-Dichloroethene | 25.5 | 0.50 | ug/l | 25.0 | ND | 102 | 75-125 | | | |
| 1,2-Dichloropropane | 24.6 | 0.50 | ug/l | 25.0 | ND | 98 | 75-125 | | | |
| 1,3-Dichloropropane | 26.4 | 0.50 | ug/l | 25.0 | ND | 105 | 70-120 | | | |
| 2,2-Dichloropropane | 23.2 | 1.0 | ug/l | 25.0 | ND | 93 | 65-140 | | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030
Report Number: PUI0947

Sampled: 09/15/11
Received: 09/15/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | RPD | Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------------------|------|--------|-------|-----------------|
| Batch: 1110768 Extracted: 09/21/11 | | | | | | | | | |
| Matrix Spike Analyzed: 09/21/2011 (1110768-MS1) | | | | | Source: PUI0949-03 | | | | |
| 1,1-Dichloropropene | 24.8 | 0.50 | ug/l | 25.0 | ND | 99 | 65-130 | | |
| cis-1,3-Dichloropropene | 22.7 | 0.50 | ug/l | 25.0 | ND | 91 | 75-130 | | |
| trans-1,3-Dichloropropene | 22.6 | 0.50 | ug/l | 25.0 | ND | 90 | 70-130 | | |
| Ethylbenzene | 28.9 | 0.50 | ug/l | 25.0 | ND | 115 | 70-125 | | |
| Hexachlorobutadiene | 24.4 | 1.0 | ug/l | 25.0 | ND | 97 | 40-150 | | |
| 2-Hexanone | 19.2 | 2.5 | ug/l | 25.0 | ND | 77 | 20-150 | | |
| Iodomethane | 35.9 | 2.5 | ug/l | 25.0 | ND | 144 | 60-150 | | |
| Isopropylbenzene | 28.4 | 0.50 | ug/l | 25.0 | ND | 113 | 75-130 | | |
| p-Isopropyltoluene | 26.7 | 0.50 | ug/l | 25.0 | ND | 107 | 70-130 | | |
| Methylene Chloride | 26.4 | 1.0 | ug/l | 25.0 | ND | 106 | 65-130 | | |
| 4-Methyl-2-pentanone (MIBK) | 19.9 | 2.5 | ug/l | 25.0 | ND | 80 | 55-135 | | |
| Methyl-tert-butyl Ether (MTBE) | 20.7 | 0.50 | ug/l | 25.0 | ND | 83 | 65-140 | | |
| Naphthalene | 22.3 | 2.5 | ug/l | 25.0 | ND | 89 | 40-150 | | |
| n-Propylbenzene | 27.3 | 0.50 | ug/l | 25.0 | ND | 109 | 70-130 | | |
| Styrene | 24.3 | 0.50 | ug/l | 25.0 | ND | 97 | 55-135 | | |
| 1,1,1,2-Tetrachloroethane | 28.3 | 0.50 | ug/l | 25.0 | ND | 113 | 70-125 | | |
| 1,1,2,2-Tetrachloroethane | 24.4 | 0.50 | ug/l | 25.0 | ND | 97 | 70-125 | | |
| Tetrachloroethene | 31.8 | 0.50 | ug/l | 25.0 | 0.690 | 125 | 65-130 | | |
| Toluene | 27.6 | 0.50 | ug/l | 25.0 | ND | 110 | 70-125 | | |
| 1,2,3-Trichlorobenzene | 26.8 | 1.0 | ug/l | 25.0 | ND | 107 | 50-150 | | |
| 1,2,4-Trichlorobenzene | 26.7 | 1.0 | ug/l | 25.0 | ND | 107 | 50-150 | | |
| 1,1,1-Trichloroethane | 24.8 | 0.50 | ug/l | 25.0 | ND | 99 | 70-130 | | |
| 1,1,2-Trichloroethane | 24.0 | 0.50 | ug/l | 25.0 | ND | 96 | 75-125 | | |
| Trichloroethene | 36.9 | 0.50 | ug/l | 25.0 | 9.59 | 109 | 70-125 | | |
| Trichlorofluoromethane | 25.2 | 0.50 | ug/l | 25.0 | ND | 101 | 65-150 | | |
| 1,2,3-Trichloropropane | 24.5 | 1.0 | ug/l | 25.0 | ND | 98 | 70-130 | | |
| 1,2,4-Trimethylbenzene | 25.8 | 0.50 | ug/l | 25.0 | ND | 103 | 70-125 | | |
| 1,3,5-Trimethylbenzene | 26.6 | 0.50 | ug/l | 25.0 | ND | 106 | 75-130 | | |
| Vinyl Acetate | 20.4 | 1.0 | ug/l | 25.0 | ND | 82 | 40-150 | | |
| Vinyl chloride | 24.5 | 0.50 | ug/l | 25.0 | ND | 98 | 60-140 | | |
| Xylenes, Total | 57.4 | 1.5 | ug/l | 50.0 | ND | 115 | 75-120 | | |
| Freon 113 | 27.7 | 2.0 | ug/l | 25.0 | ND | 111 | 65-140 | | |
| Surrogate: Dibromofluoromethane | 24.3 | | ug/l | 25.0 | | 97 | 80-130 | | |
| Surrogate: Toluene-d8 | 25.2 | | ug/l | 25.0 | | 101 | 80-120 | | |
| Surrogate: 4-Bromofluorobenzene | 25.0 | | ug/l | 25.0 | | 100 | 80-125 | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0947

Sampled: 09/15/11
Received: 09/15/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-------|-------------|---------------------------|-----------|-------------|-----|-----------|-----------------|
| Batch: 1110768 Extracted: 09/21/11 | | | | | | | | | | |
| Matrix Spike Dup Analyzed: 09/21/2011 (1110768-MSD1) | | | | | Source: PUI0949-03 | | | | | |
| Acetone | 17.7 | 10 | ug/l | 25.0 | ND | 71 | 10-150 | 3 | 35 | |
| Benzene | 24.7 | 0.50 | ug/l | 25.0 | 0.190 | 98 | 70-125 | 7 | 25 | |
| Bromobenzene | 25.8 | 0.50 | ug/l | 25.0 | ND | 103 | 75-120 | 6 | 20 | |
| Bromochloromethane | 22.3 | 0.50 | ug/l | 25.0 | ND | 89 | 75-130 | 13 | 20 | |
| Bromodichloromethane | 20.9 | 0.50 | ug/l | 25.0 | ND | 84 | 75-125 | 10 | 20 | |
| Bromoform | 24.2 | 1.0 | ug/l | 25.0 | ND | 97 | 65-125 | 5 | 25 | |
| Bromomethane | 24.5 | 1.0 | ug/l | 25.0 | ND | 98 | 45-150 | 13 | 35 | |
| 2-Butanone (MEK) | 21.3 | 2.5 | ug/l | 25.0 | ND | 85 | 15-150 | 13 | 30 | |
| n-Butylbenzene | 24.3 | 0.50 | ug/l | 25.0 | ND | 97 | 70-130 | 7 | 30 | |
| sec-Butylbenzene | 25.6 | 0.50 | ug/l | 25.0 | ND | 102 | 70-125 | 7 | 30 | |
| tert-Butylbenzene | 25.0 | 0.50 | ug/l | 25.0 | ND | 100 | 70-125 | 7 | 25 | |
| Carbon disulfide | 23.0 | 0.50 | ug/l | 25.0 | ND | 92 | 65-145 | 13 | 25 | |
| Carbon tetrachloride | 23.8 | 0.50 | ug/l | 25.0 | ND | 95 | 65-135 | 11 | 25 | |
| Chlorobenzene | 26.9 | 0.50 | ug/l | 25.0 | ND | 108 | 75-120 | 10 | 20 | |
| Chloroethane | 21.0 | 1.0 | ug/l | 25.0 | ND | 84 | 65-140 | 10 | 25 | |
| Chloroform | 23.1 | 0.50 | ug/l | 25.0 | 0.860 | 89 | 70-130 | 12 | 20 | |
| Chloromethane | 17.9 | 1.0 | ug/l | 25.0 | ND | 72 | 55-145 | 14 | 35 | |
| 2-Chlorotoluene | 24.1 | 0.50 | ug/l | 25.0 | ND | 96 | 70-125 | 7 | 25 | |
| 4-Chlorotoluene | 24.4 | 0.50 | ug/l | 25.0 | ND | 97 | 70-125 | 4 | 25 | |
| Dibromochloromethane | 24.3 | 0.50 | ug/l | 25.0 | ND | 97 | 70-130 | 4 | 20 | |
| 1,2-Dibromo-3-chloropropane | 20.7 | 2.5 | ug/l | 25.0 | ND | 83 | 50-150 | 8 | 30 | |
| 1,2-Dibromoethane (EDB) | 25.2 | 0.50 | ug/l | 25.0 | ND | 101 | 70-125 | 3 | 20 | |
| Dibromomethane | 23.3 | 0.50 | ug/l | 25.0 | ND | 93 | 70-120 | 10 | 20 | |
| 1,2-Dichlorobenzene | 25.2 | 0.50 | ug/l | 25.0 | ND | 101 | 75-120 | 4 | 20 | |
| 1,3-Dichlorobenzene | 26.0 | 0.50 | ug/l | 25.0 | ND | 104 | 75-120 | 5 | 25 | |
| 1,4-Dichlorobenzene | 25.9 | 0.50 | ug/l | 25.0 | ND | 104 | 70-125 | 5 | 20 | |
| Dichlorodifluoromethane | 18.0 | 0.50 | ug/l | 25.0 | ND | 72 | 60-150 | 13 | 30 | |
| 1,1-Dichloroethane | 24.3 | 0.50 | ug/l | 25.0 | 1.78 | 90 | 70-130 | 9 | 20 | |
| 1,2-Dichloroethane | 20.6 | 0.50 | ug/l | 25.0 | ND | 82 | 65-140 | 9 | 20 | |
| 1,1-Dichloroethene | 26.1 | 0.50 | ug/l | 25.0 | 2.46 | 95 | 70-130 | 13 | 25 | |
| cis-1,2-Dichloroethene | 23.5 | 0.50 | ug/l | 25.0 | 2.42 | 84 | 70-125 | 12 | 20 | |
| trans-1,2-Dichloroethene | 22.6 | 0.50 | ug/l | 25.0 | ND | 90 | 75-125 | 12 | 25 | |
| 1,2-Dichloropropane | 22.5 | 0.50 | ug/l | 25.0 | ND | 90 | 75-125 | 9 | 20 | |
| 1,3-Dichloropropane | 24.7 | 0.50 | ug/l | 25.0 | ND | 99 | 70-120 | 6 | 20 | |
| 2,2-Dichloropropane | 21.1 | 1.0 | ug/l | 25.0 | ND | 85 | 65-140 | 9 | 25 | |

TestAmerica Phoenix

Kylie Emily
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030
Report Number: PUI0947

Sampled: 09/15/11
Received: 09/15/11

METHOD BLANK/OC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | RPD Limits | RPD RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-------|-------------|---------------------------|-----------|------------|---------|-----------|-----------------|
| Batch: 1110768 Extracted: 09/21/11 | | | | | | | | | | |
| Matrix Spike Dup Analyzed: 09/21/2011 (1110768-MSD1) | | | | | Source: PUI0949-03 | | | | | |
| 1,1-Dichloropropene | 22.4 | 0.50 | ug/l | 25.0 | ND | 90 | 65-130 | 10 | 25 | |
| cis-1,3-Dichloropropene | 20.1 | 0.50 | ug/l | 25.0 | ND | 80 | 75-130 | 12 | 20 | |
| trans-1,3-Dichloropropene | 20.0 | 0.50 | ug/l | 25.0 | ND | 80 | 70-130 | 12 | 20 | |
| Ethylbenzene | 26.1 | 0.50 | ug/l | 25.0 | ND | 104 | 70-125 | 10 | 25 | |
| Hexachlorobutadiene | 26.0 | 1.0 | ug/l | 25.0 | ND | 104 | 40-150 | 7 | 30 | |
| 2-Hexanone | 20.2 | 2.5 | ug/l | 25.0 | ND | 81 | 20-150 | 5 | 30 | |
| Iodomethane | 32.9 | 2.5 | ug/l | 25.0 | ND | 131 | 60-150 | 9 | 30 | |
| Isopropylbenzene | 27.2 | 0.50 | ug/l | 25.0 | ND | 109 | 75-130 | 4 | 25 | |
| p-Isopropyltoluene | 25.0 | 0.50 | ug/l | 25.0 | ND | 100 | 70-130 | 7 | 30 | |
| Methylene Chloride | 23.4 | 1.0 | ug/l | 25.0 | ND | 94 | 65-130 | 12 | 20 | |
| 4-Methyl-2-pentanone (MIBK) | 17.8 | 2.5 | ug/l | 25.0 | ND | 71 | 55-135 | 11 | 25 | |
| Methyl-tert-butyl Ether (MTBE) | 19.1 | 0.50 | ug/l | 25.0 | ND | 77 | 65-140 | 8 | 25 | |
| Naphthalene | 22.7 | 2.5 | ug/l | 25.0 | ND | 91 | 40-150 | 2 | 30 | |
| n-Propylbenzene | 25.4 | 0.50 | ug/l | 25.0 | ND | 102 | 70-130 | 7 | 30 | |
| Styrene | 17.0 | 0.50 | ug/l | 25.0 | ND | 68 | 55-135 | 35 | 35 | |
| 1,1,1,2-Tetrachloroethane | 26.5 | 0.50 | ug/l | 25.0 | ND | 106 | 70-125 | 7 | 20 | |
| 1,1,2,2-Tetrachloroethane | 23.7 | 0.50 | ug/l | 25.0 | ND | 95 | 70-125 | 3 | 25 | |
| Tetrachloroethene | 28.6 | 0.50 | ug/l | 25.0 | 0.690 | 112 | 65-130 | 11 | 25 | |
| Toluene | 24.8 | 0.50 | ug/l | 25.0 | ND | 99 | 70-125 | 11 | 20 | |
| 1,2,3-Trichlorobenzene | 26.0 | 1.0 | ug/l | 25.0 | ND | 104 | 50-150 | 3 | 35 | |
| 1,2,4-Trichlorobenzene | 25.0 | 1.0 | ug/l | 25.0 | ND | 100 | 50-150 | 7 | 25 | |
| 1,1,1-Trichloroethane | 22.5 | 0.50 | ug/l | 25.0 | ND | 90 | 70-130 | 10 | 25 | |
| 1,1,2-Trichloroethane | 22.4 | 0.50 | ug/l | 25.0 | ND | 90 | 75-125 | 7 | 20 | |
| Trichloroethene | 33.0 | 0.50 | ug/l | 25.0 | 9.59 | 93 | 70-125 | 11 | 25 | |
| Trichlorofluoromethane | 22.2 | 0.50 | ug/l | 25.0 | ND | 89 | 65-150 | 13 | 25 | |
| 1,2,3-Trichloropropane | 21.8 | 1.0 | ug/l | 25.0 | ND | 87 | 70-130 | 11 | 25 | |
| 1,2,4-Trimethylbenzene | 24.0 | 0.50 | ug/l | 25.0 | ND | 96 | 70-125 | 7 | 30 | |
| 1,3,5-Trimethylbenzene | 24.9 | 0.50 | ug/l | 25.0 | ND | 100 | 75-130 | 6 | 25 | |
| Vinyl Acetate | 17.4 | 1.0 | ug/l | 25.0 | ND | 69 | 40-150 | 16 | 30 | |
| Vinyl chloride | 21.4 | 0.50 | ug/l | 25.0 | ND | 86 | 60-140 | 13 | 25 | |
| Xylenes, Total | 51.4 | 1.5 | ug/l | 50.0 | ND | 103 | 75-120 | 11 | 15 | |
| Freon 113 | 25.2 | 2.0 | ug/l | 25.0 | ND | 101 | 65-140 | 10 | 20 | |
| Surrogate: Dibromofluoromethane | 23.9 | | ug/l | 25.0 | | 96 | 80-130 | | | |
| Surrogate: Toluene-d8 | 24.7 | | ug/l | 25.0 | | 99 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 24.3 | | ug/l | 25.0 | | 97 | 80-125 | | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0947

Sampled: 09/15/11
Received: 09/15/11

METHOD BLANK/QC DATA

1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-------|-------------|---------------------------|------|-------------|-----|-----------|-----------------|
| Batch: 1110655 Extracted: 09/19/11 | | | | | | | | | | |
| Blank Analyzed: 09/20/2011 (1110655-BLK1) | | | | | | | | | | |
| 1,4-Dioxane | ND | 1.0 | ug/l | | | | | | | |
| Surrogate: 1,4-Dioxane-d8 | 15.3 | | ug/l | 20.0 | | 76 | 38.6-88.3 | | | |
| Surrogate: Nitrobenzene-d5 | 17.2 | | ug/l | 20.0 | | 86 | 59.9-120 | | | |
| LCS Analyzed: 09/20/2011 (1110655-BS1) | | | | | | | | | | |
| 1,4-Dioxane | 20.4 | 1.0 | ug/l | 20.0 | | 102 | 80-120 | | | |
| Surrogate: 1,4-Dioxane-d8 | 15.1 | | ug/l | 20.0 | | 76 | 32-57 | | | S10 |
| Surrogate: Nitrobenzene-d5 | 17.6 | | ug/l | 20.0 | | 88 | 38-125 | | | |
| LCS Dup Analyzed: 09/20/2011 (1110655-BSD1) | | | | | | | | | | |
| 1,4-Dioxane | 20.8 | 1.0 | ug/l | 20.0 | | 104 | 80-120 | 2 | 25 | |
| Surrogate: 1,4-Dioxane-d8 | 14.1 | | ug/l | 20.0 | | 71 | 32-57 | | | S10 |
| Surrogate: Nitrobenzene-d5 | 16.8 | | ug/l | 20.0 | | 84 | 38-125 | | | |
| Matrix Spike Analyzed: 09/20/2011 (1110655-MS1) | | | | | | | | | | |
| | | | | | Source: PUI0949-03 | | | | | |
| 1,4-Dioxane | 21.9 | 1.0 | ug/l | 20.0 | 1.24 | 103 | 70-130 | | | |
| Surrogate: 1,4-Dioxane-d8 | 15.1 | | ug/l | 20.0 | | 75 | 36-81 | | | |
| Surrogate: Nitrobenzene-d5 | 17.8 | | ug/l | 20.0 | | 89 | 59-120 | | | |
| Matrix Spike Dup Analyzed: 09/20/2011 (1110655-MSD1) | | | | | | | | | | |
| | | | | | Source: PUI0949-03 | | | | | |
| 1,4-Dioxane | 21.7 | 1.0 | ug/l | 20.0 | 1.24 | 102 | 70-130 | 1 | 25 | |
| Surrogate: 1,4-Dioxane-d8 | 12.2 | | ug/l | 20.0 | | 61 | 36-81 | | | |
| Surrogate: Nitrobenzene-d5 | 14.2 | | ug/l | 20.0 | | 71 | 59-120 | | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0947

Sampled: 09/15/11

Received: 09/15/11

DATA QUALIFIERS AND DEFINITIONS

- L3** The associated blank spike recovery was above method acceptance limits.
- N1** See case narrative.
- R1** The RPD/RSD exceeded the method acceptance limit.
- R6** LFB/LFBD RPD exceeded the method acceptance limit. Recovery met acceptance criteria.
- S10** Surrogate recovery was above laboratory and method acceptance limits. See case narrative.
- ND** Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
- RPD** Relative Percent Difference

TestAmerica Phoenix

Kylie Emily
Project Manager

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PUI0947 <Page 18 of 19>

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0947

Sampled: 09/15/11
Received: 09/15/11

Certification Summary

TestAmerica Phoenix

| Method | Matrix | Nelac | Arizona |
|-----------|--------|-------|---------|
| EPA 8260B | Water | X | X |
| EPA 8270C | Water | | X |

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for TestAmerica may be obtained by contacting the laboratory or visiting our website at www.testamericainc.com

TestAmerica Phoenix

Kylie Emily
Project Manager

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PUI0947 <Page 19 of 19>

THE LEADER IN ENVIRONMENTAL TESTING
TAL-0013-550 (10/10)

Phoenix - 4625 E. Cotton Center Blvd., Suite 189, Phoenix, AZ 85040 (602) 437-3340 FAX (602) 454-8303
 Tucson - 1870 W. Prince Road, Suite 59, Tucson, AZ 85705 (520) 807-3801 FAX (520) 807-3803
 Las Vegas - 6000 S Eastern Ave., Suite 5E, Las Vegas, NV 89119 (702) 429-1264

Page 1 of 1

| Client Name/Address: <u>ERM</u> <u>7272 E Indian School Rd #100</u> <u>Scottsdale AZ 85251</u> | | | | Project/PO Number: <u>003</u> <u>0096498,030</u> | | | Analysis Required | | | | | | | |
|--|---------------|------------------------------|------------|--|---------------|---------------|--|------------------------------------|--|--------------------------------|--|------------|---|--|
| Project Manager: <u>jason.hilker@erm.com</u> | | | | Phone Number: <u>480-998-2401</u> | | | <u>VOL 8260B</u> | <u>1,4-Dioxane</u> <u>8270C</u> | | | | | | <u>PVI0947</u> Special Instructions |
| Sampler: <u>Adam Nagle</u> | | | | Fax Number: | | | | | | | | | | |
| Sample Description | Sample Matrix | Container Type | # of Cont. | Sampling Date | Sampling Time | Preservatives | | | | | | | | |
| <u>003-13D-D-091511</u> | <u>WT</u> | <u>3x40mL</u> <u>2x16</u> | <u>5</u> | <u>9/15</u> | <u>0756</u> | <u>HCl</u> | <u>X</u> | <u>X</u> | | | | <u>-01</u> | <u>Level III</u> | |
| <u>003-2M-M-091511</u> | <u>WT</u> | <u>3x40mL</u> <u>2x16</u> | <u>5</u> | <u>9/15</u> | <u>1304</u> | <u>HCl</u> | <u>X</u> | <u>X</u> | | | | <u>-02</u> | <u>Level III</u> | |
| | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | |
| Relinquished By: <u>[Signature]</u> / <u>ERM</u> | | | | Date/Time: <u>9/15 1506</u> | | | Received By: | | | Date/Time: | | | Turnaround Time: (Check) | |
| Relinquished By: | | | | Date/Time: | | | Received By: | | | Date/Time: | | | same day _____ 72 hours _____ | |
| Relinquished By: | | | | Date/Time: | | | Received in Lab By: <u>[Signature]</u> | | | Date/Time: <u>9-15-11 1506</u> | | | 24 hours _____ 5 days _____ | |
| Relinquished By: | | | | Date/Time: | | | Received in Lab By: | | | Date/Time: | | | 48 hours _____ normal <input checked="" type="checkbox"/> | |
| Relinquished By: | | | | Date/Time: | | | Received in Lab By: | | | Date/Time: | | | Sample Integrity: (Check) | |
| Relinquished By: | | | | Date/Time: | | | Received in Lab By: | | | Date/Time: | | | Intact <input checked="" type="checkbox"/> on ice <input checked="" type="checkbox"/> | |

Note: By relinquishing samples to TestAmerica, client agrees to pay for the services requested on this chain of custody form and any additional analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 30 days.

1.6/2.9
2X

LABORATORY REPORT

Prepared For: Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project: OU3 0096498.030

Sampled: 09/15/11
Received: 09/15/11
Revised: 11/21/11 12:04

NELAP #01109CA Arizona DHS#AZ0728

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica. The Chain of Custody, 1 page, is included and is an integral part of this report.

This entire report was reviewed and approved for release.

CASE NARRATIVE

LABORATORY ID

PUI0949-01
PUI0949-02
PUI0949-03
PUI0949-04
PUI0949-05
PUI0949-06
PUI0949-07

CLIENT ID

OU3-13M-M-091511
EW-19D-D-091511
EW-19S-S-091511
EW-20-S-091511
EW-20-S-091511-Q1
GW-EB1-6-091511
GW-L1-6-091511

MATRIX

Water
Water
Water
Water
Water
Water
Water

TestAmerica Phoenix

Kylie Emily
Project Manager

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0949

Sampled: 09/15/11

Received: 09/15/11

SAMPLE RECEIPT: Samples were received intact, at 2°C, on ice and with chain of custody documentation.

HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the TestAmerica Sample Acceptance Policy unless otherwise noted in the report.

PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

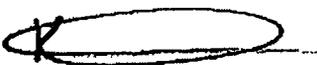
QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.
L3-Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.
R1-The RPD exceeded the acceptance limit.
S10-Surrogate recovery was above acceptance limits.
N1 = The Laboratory Control Sample recovered below and outside of client acceptance limits but within laboratory acceptance limits for for Cis-1,3-Dichloropropene. All associated samples are non-detect for this compound and therefore should not be impacted.

COMMENTS: No significant observations were made.

SUBCONTRACTED: No analyses were subcontracted to an outside laboratory.

ADDITIONAL INFORMATION: Report revised to reflect QAPP limits.

Reviewed By:



TestAmerica Phoenix

Kylie Emily
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

PUI0949 <Page 2 of 30>

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0949

Sampled: 09/15/11
Received: 09/15/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0949-01 (OU3-13M-M-091511 - Water) | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| Acetone | EPA 8260B | 1110768 | 10 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Benzene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Bromobenzene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Bromochloromethane | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Bromodichloromethane | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Bromoform | EPA 8260B | 1110768 | 1.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Bromomethane | EPA 8260B | 1110768 | 1.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 2-Butanone (MEK) | EPA 8260B | 1110768 | 2.5 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| n-Butylbenzene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| sec-Butylbenzene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| tert-Butylbenzene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Carbon disulfide | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Carbon tetrachloride | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Chlorobenzene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | L3 |
| Chloroethane | EPA 8260B | 1110768 | 1.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Chloroform | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Chloromethane | EPA 8260B | 1110768 | 1.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 2-Chlorotoluene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 4-Chlorotoluene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Dibromochloromethane | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,2-Dibromo-3-chloropropane | EPA 8260B | 1110768 | 2.5 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,2-Dibromoethane (EDB) | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Dibromomethane | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,2-Dichlorobenzene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,3-Dichlorobenzene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,4-Dichlorobenzene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Dichlorodifluoromethane | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,1-Dichloroethane | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,2-Dichloroethane | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,1-Dichloroethene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| cis-1,2-Dichloroethene | EPA 8260B | 1110768 | 0.50 | 2.4 | 1 | 9/21/2011 | 9/21/2011 | |
| trans-1,2-Dichloroethene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,2-Dichloropropane | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,3-Dichloropropane | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 2,2-Dichloropropane | EPA 8260B | 1110768 | 1.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,1-Dichloropropene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| cis-1,3-Dichloropropene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | N1 |
| trans-1,3-Dichloropropene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Ethylbenzene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Hexachlorobutadiene | EPA 8260B | 1110768 | 1.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |

TestAmerica Phoenix

Kylie Emily
Project Manager

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0949

Sampled: 09/15/11
Received: 09/15/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0949-01 (OU3-13M-M-091511 - Water) - cont. | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| 2-Hexanone | EPA 8260B | 1110768 | 2.5 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Iodomethane | EPA 8260B | 1110768 | 2.5 | ND | 1 | 9/21/2011 | 9/21/2011 | L3 |
| Isopropylbenzene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| p-Isopropyltoluene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Methylene Chloride | EPA 8260B | 1110768 | 1.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 4-Methyl-2-pentanone (MIBK) | EPA 8260B | 1110768 | 2.5 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Methyl-tert-butyl Ether (MTBE) | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Naphthalene | EPA 8260B | 1110768 | 2.5 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| n-Propylbenzene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Styrene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,1,1,2-Tetrachloroethane | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,1,2,2-Tetrachloroethane | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Tetrachloroethene | EPA 8260B | 1110768 | 0.50 | 0.57 | 1 | 9/21/2011 | 9/21/2011 | |
| Toluene | EPA 8260B | 1110768 | 0.50 | 0.61 | 1 | 9/21/2011 | 9/21/2011 | |
| 1,2,3-Trichlorobenzene | EPA 8260B | 1110768 | 1.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,2,4-Trichlorobenzene | EPA 8260B | 1110768 | 1.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,1,1-Trichloroethane | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,1,2-Trichloroethane | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Trichloroethene | EPA 8260B | 1110768 | 0.50 | 25 | 1 | 9/21/2011 | 9/21/2011 | |
| Trichlorofluoromethane | EPA 8260B | 1110768 | 0.50 | 0.55 | 1 | 9/21/2011 | 9/21/2011 | |
| 1,2,3-Trichloropropane | EPA 8260B | 1110768 | 1.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,2,4-Trimethylbenzene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,3,5-Trimethylbenzene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Vinyl Acetate | EPA 8260B | 1110768 | 1.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Vinyl chloride | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Xylenes, Total | EPA 8260B | 1110768 | 1.5 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Freon 113 | EPA 8260B | 1110768 | 2.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Surrogate: Dibromofluoromethane (80-130%) | | | | 95 % | | | | |
| Surrogate: Toluene-d8 (80-120%) | | | | 99 % | | | | |
| Surrogate: 4-Bromofluorobenzene (80-125%) | | | | 92 % | | | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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PUI0949 <Page 4 of 30>

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0949

Sampled: 09/15/11
Received: 09/15/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0949-02 (EW-19D-D-091511 - Water) | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| Acetone | EPA 8260B | 11I0768 | 10 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Benzene | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Bromobenzene | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Bromochloromethane | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Bromodichloromethane | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Bromoform | EPA 8260B | 11I0768 | 1.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Bromomethane | EPA 8260B | 11I0768 | 1.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 2-Butanone (MEK) | EPA 8260B | 11I0768 | 2.5 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| n-Butylbenzene | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| sec-Butylbenzene | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| tert-Butylbenzene | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Carbon disulfide | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Carbon tetrachloride | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Chlorobenzene | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | L3 |
| Chloroethane | EPA 8260B | 11I0768 | 1.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Chloroform | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Chloromethane | EPA 8260B | 11I0768 | 1.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 2-Chlorotoluene | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 4-Chlorotoluene | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Dibromochloromethane | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,2-Dibromo-3-chloropropane | EPA 8260B | 11I0768 | 2.5 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,2-Dibromoethane (EDB) | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Dibromomethane | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,2-Dichlorobenzene | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,3-Dichlorobenzene | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,4-Dichlorobenzene | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Dichlorodifluoromethane | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,1-Dichloroethane | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,2-Dichloroethane | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,1-Dichloroethene | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| cis-1,2-Dichloroethene | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| trans-1,2-Dichloroethene | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,2-Dichloropropane | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,3-Dichloropropane | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 2,2-Dichloropropane | EPA 8260B | 11I0768 | 1.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,1-Dichloropropene | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| cis-1,3-Dichloropropene | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | N1 |
| trans-1,3-Dichloropropene | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Ethylbenzene | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Hexachlorobutadiene | EPA 8260B | 11I0768 | 1.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |

TestAmerica Phoenix

Kylie Emily
Project Manager

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0949

Sampled: 09/15/11
Received: 09/15/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0949-02 (EW-19D-D-091511 - Water) - cont. | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| 2-Hexanone | EPA 8260B | 1110768 | 2.5 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Iodomethane | EPA 8260B | 1110768 | 2.5 | ND | 1 | 9/21/2011 | 9/21/2011 | L3 |
| Isopropylbenzene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| p-Isopropyltoluene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Methylene Chloride | EPA 8260B | 1110768 | 1.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 4-Methyl-2-pentanone (MIBK) | EPA 8260B | 1110768 | 2.5 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Methyl-tert-butyl Ether (MTBE) | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Naphthalene | EPA 8260B | 1110768 | 2.5 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| n-Propylbenzene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Styrene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,1,1,2-Tetrachloroethane | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,1,2,2-Tetrachloroethane | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Tetrachloroethene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Toluene | EPA 8260B | 1110768 | 0.50 | 1.4 | 1 | 9/21/2011 | 9/21/2011 | |
| 1,2,3-Trichlorobenzene | EPA 8260B | 1110768 | 1.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,2,4-Trichlorobenzene | EPA 8260B | 1110768 | 1.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,1,1-Trichloroethane | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,1,2-Trichloroethane | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Trichloroethene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Trichlorofluoromethane | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,2,3-Trichloropropane | EPA 8260B | 1110768 | 1.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,2,4-Trimethylbenzene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,3,5-Trimethylbenzene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Vinyl Acetate | EPA 8260B | 1110768 | 1.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Vinyl chloride | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Xylenes, Total | EPA 8260B | 1110768 | 1.5 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Freon 113 | EPA 8260B | 1110768 | 2.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Surrogate: Dibromofluoromethane (80-130%) | | | | 91 % | | | | |
| Surrogate: Toluene-d8 (80-120%) | | | | 100 % | | | | |
| Surrogate: 4-Bromofluorobenzene (80-125%) | | | | 87 % | | | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0949

Sampled: 09/15/11
Received: 09/15/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0949-03 (EW-19S-S-091511 - Water) | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| Acetone | EPA 8260B | 1110768 | 10 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Benzene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Bromobenzene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Bromochloromethane | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Bromodichloromethane | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Bromoform | EPA 8260B | 1110768 | 1.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Bromomethane | EPA 8260B | 1110768 | 1.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 2-Butanone (MEK) | EPA 8260B | 1110768 | 2.5 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| n-Butylbenzene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| sec-Butylbenzene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| tert-Butylbenzene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Carbon disulfide | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Carbon tetrachloride | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Chlorobenzene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | L3 |
| Chloroethane | EPA 8260B | 1110768 | 1.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Chloroform | EPA 8260B | 1110768 | 0.50 | 0.86 | 1 | 9/21/2011 | 9/21/2011 | |
| Chloromethane | EPA 8260B | 1110768 | 1.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 2-Chlorotoluene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 4-Chlorotoluene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Dibromochloromethane | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,2-Dibromo-3-chloropropane | EPA 8260B | 1110768 | 2.5 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,2-Dibromoethane (EDB) | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Dibromomethane | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,2-Dichlorobenzene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,3-Dichlorobenzene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,4-Dichlorobenzene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Dichlorodifluoromethane | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,1-Dichloroethane | EPA 8260B | 1110768 | 0.50 | 1.8 | 1 | 9/21/2011 | 9/21/2011 | |
| 1,2-Dichloroethane | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,1-Dichloroethene | EPA 8260B | 1110768 | 0.50 | 2.5 | 1 | 9/21/2011 | 9/21/2011 | |
| cis-1,2-Dichloroethene | EPA 8260B | 1110768 | 0.50 | 2.4 | 1 | 9/21/2011 | 9/21/2011 | |
| trans-1,2-Dichloroethene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,2-Dichloropropane | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,3-Dichloropropane | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 2,2-Dichloropropane | EPA 8260B | 1110768 | 1.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,1-Dichloropropene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| cis-1,3-Dichloropropene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | N1 |
| trans-1,3-Dichloropropene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Ethylbenzene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Hexachlorobutadiene | EPA 8260B | 1110768 | 1.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0949

Sampled: 09/15/11
Received: 09/15/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0949-03 (EW-19S-S-091511 - Water) - cont. | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| 2-Hexanone | EPA 8260B | 11I0768 | 2.5 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Iodomethane | EPA 8260B | 11I0768 | 2.5 | ND | 1 | 9/21/2011 | 9/21/2011 | L3 |
| Isopropylbenzene | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| p-Isopropyltoluene | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Methylene Chloride | EPA 8260B | 11I0768 | 1.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 4-Methyl-2-pentanone (MIBK) | EPA 8260B | 11I0768 | 2.5 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Methyl-tert-butyl Ether (MTBE) | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Naphthalene | EPA 8260B | 11I0768 | 2.5 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| n-Propylbenzene | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Styrene | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,1,1,2-Tetrachloroethane | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,1,2,2-Tetrachloroethane | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Tetrachloroethene | EPA 8260B | 11I0768 | 0.50 | 0.69 | 1 | 9/21/2011 | 9/21/2011 | |
| Toluene | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,2,3-Trichlorobenzene | EPA 8260B | 11I0768 | 1.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,2,4-Trichlorobenzene | EPA 8260B | 11I0768 | 1.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,1,1-Trichloroethane | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,1,2-Trichloroethane | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Trichloroethene | EPA 8260B | 11I0768 | 0.50 | 9.6 | 1 | 9/21/2011 | 9/21/2011 | |
| Trichlorofluoromethane | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,2,3-Trichloropropane | EPA 8260B | 11I0768 | 1.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,2,4-Trimethylbenzene | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,3,5-Trimethylbenzene | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Vinyl Acetate | EPA 8260B | 11I0768 | 1.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Vinyl chloride | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Xylenes, Total | EPA 8260B | 11I0768 | 1.5 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Freon 113 | EPA 8260B | 11I0768 | 2.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |

Surrogate: Dibromofluoromethane (80-130%)

92 %

Surrogate: Toluene-d8 (80-120%)

99 %

Surrogate: 4-Bromofluorobenzene (80-125%)

89 %

TestAmerica Phoenix

Kylie Emily
Project Manager

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PUI0949 <Page 8 of 30>

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0949

Sampled: 09/15/11
Received: 09/15/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0949-04 (EW-20-S-091511 - Water) | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| Acetone | EPA 8260B | 1110768 | 10 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Benzene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Bromobenzene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Bromochloromethane | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Bromodichloromethane | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Bromoform | EPA 8260B | 1110768 | 1.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Bromomethane | EPA 8260B | 1110768 | 1.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 2-Butanone (MEK) | EPA 8260B | 1110768 | 2.5 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| n-Butylbenzene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| sec-Butylbenzene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| tert-Butylbenzene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Carbon disulfide | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Carbon tetrachloride | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Chlorobenzene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | L3 |
| Chloroethane | EPA 8260B | 1110768 | 1.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Chloroform | EPA 8260B | 1110768 | 0.50 | 1.4 | 1 | 9/21/2011 | 9/21/2011 | |
| Chloromethane | EPA 8260B | 1110768 | 1.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 2-Chlorotoluene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 4-Chlorotoluene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Dibromochloromethane | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,2-Dibromo-3-chloropropane | EPA 8260B | 1110768 | 2.5 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,2-Dibromoethane (EDB) | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Dibromomethane | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,2-Dichlorobenzene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,3-Dichlorobenzene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,4-Dichlorobenzene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Dichlorodifluoromethane | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,1-Dichloroethane | EPA 8260B | 1110768 | 0.50 | 3.4 | 1 | 9/21/2011 | 9/21/2011 | |
| 1,2-Dichloroethane | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,1-Dichloroethene | EPA 8260B | 1110768 | 0.50 | 2.6 | 1 | 9/21/2011 | 9/21/2011 | |
| cis-1,2-Dichloroethene | EPA 8260B | 1110768 | 0.50 | 5.2 | 1 | 9/21/2011 | 9/21/2011 | |
| trans-1,2-Dichloroethene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,2-Dichloropropane | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,3-Dichloropropane | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 2,2-Dichloropropane | EPA 8260B | 1110768 | 1.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,1-Dichloropropene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| cis-1,3-Dichloropropene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | NI |
| trans-1,3-Dichloropropene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Ethylbenzene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Hexachlorobutadiene | EPA 8260B | 1110768 | 1.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |

TestAmerica Phoenix

Kylie Emily
Project Manager

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0949

Sampled: 09/15/11
Received: 09/15/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0949-04 (EW-20-S-091511 - Water) - cont. | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| 2-Hexanone | EPA 8260B | 1110768 | 2.5 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Iodomethane | EPA 8260B | 1110768 | 2.5 | ND | 1 | 9/21/2011 | 9/21/2011 | L3 |
| Isopropylbenzene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| p-Isopropyltoluene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Methylene Chloride | EPA 8260B | 1110768 | 1.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 4-Methyl-2-pentanone (MIBK) | EPA 8260B | 1110768 | 2.5 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Methyl-tert-butyl Ether (MTBE) | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Naphthalene | EPA 8260B | 1110768 | 2.5 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| n-Propylbenzene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Styrene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,1,1,2-Tetrachloroethane | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,1,2,2-Tetrachloroethane | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Tetrachloroethene | EPA 8260B | 1110768 | 0.50 | 1.1 | 1 | 9/21/2011 | 9/21/2011 | |
| Toluene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,2,3-Trichlorobenzene | EPA 8260B | 1110768 | 1.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,2,4-Trichlorobenzene | EPA 8260B | 1110768 | 1.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,1,1-Trichloroethane | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,1,2-Trichloroethane | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Trichloroethene | EPA 8260B | 1110768 | 0.50 | 26 | 1 | 9/21/2011 | 9/21/2011 | |
| Trichlorofluoromethane | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,2,3-Trichloropropane | EPA 8260B | 1110768 | 1.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,2,4-Trimethylbenzene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,3,5-Trimethylbenzene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Vinyl Acetate | EPA 8260B | 1110768 | 1.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Vinyl chloride | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Xylenes, Total | EPA 8260B | 1110768 | 1.5 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Freon 113 | EPA 8260B | 1110768 | 2.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| <i>Surrogate: Dibromofluoromethane (80-130%)</i> | | | | 95 % | | | | |
| <i>Surrogate: Toluene-d8 (80-120%)</i> | | | | 100 % | | | | |
| <i>Surrogate: 4-Bromofluorobenzene (80-125%)</i> | | | | 89 % | | | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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PUI0949 <Page 10 of 30>

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0949

Sampled: 09/15/11
Received: 09/15/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0949-05 (EW-20-S-091511-Q1 - Water) | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| Acetone | EPA 8260B | 11I0768 | 10 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Benzene | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Bromobenzene | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Bromochloromethane | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Bromodichloromethane | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Bromoform | EPA 8260B | 11I0768 | 1.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Bromomethane | EPA 8260B | 11I0768 | 1.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 2-Butanone (MEK) | EPA 8260B | 11I0768 | 2.5 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| n-Butylbenzene | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| sec-Butylbenzene | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| tert-Butylbenzene | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Carbon disulfide | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Carbon tetrachloride | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Chlorobenzene | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | L3 |
| Chloroethane | EPA 8260B | 11I0768 | 1.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Chloroform | EPA 8260B | 11I0768 | 0.50 | 1.4 | 1 | 9/21/2011 | 9/21/2011 | |
| Chloromethane | EPA 8260B | 11I0768 | 1.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 2-Chlorotoluene | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 4-Chlorotoluene | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Dibromochloromethane | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,2-Dibromo-3-chloropropane | EPA 8260B | 11I0768 | 2.5 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,2-Dibromoethane (EDB) | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Dibromomethane | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,2-Dichlorobenzene | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,3-Dichlorobenzene | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,4-Dichlorobenzene | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Dichlorodifluoromethane | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,1-Dichloroethane | EPA 8260B | 11I0768 | 0.50 | 3.2 | 1 | 9/21/2011 | 9/21/2011 | |
| 1,2-Dichloroethane | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,1-Dichloroethene | EPA 8260B | 11I0768 | 0.50 | 3.2 | 1 | 9/21/2011 | 9/21/2011 | |
| cis-1,2-Dichloroethene | EPA 8260B | 11I0768 | 0.50 | 5.2 | 1 | 9/21/2011 | 9/21/2011 | |
| trans-1,2-Dichloroethene | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,2-Dichloropropane | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,3-Dichloropropane | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 2,2-Dichloropropane | EPA 8260B | 11I0768 | 1.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,1-Dichloropropene | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| cis-1,3-Dichloropropene | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | N1 |
| trans-1,3-Dichloropropene | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Ethylbenzene | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Hexachlorobutadiene | EPA 8260B | 11I0768 | 1.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |

TestAmerica Phoenix

Kylie Emily
Project Manager

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0949

Sampled: 09/15/11
Received: 09/15/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0949-05 (EW-20-S-091511-Q1 - Water) - cont. | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| 2-Hexanone | EPA 8260B | 1110768 | 2.5 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Iodomethane | EPA 8260B | 1110768 | 2.5 | ND | 1 | 9/21/2011 | 9/21/2011 | L3 |
| Isopropylbenzene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| p-Isopropyltoluene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Methylene Chloride | EPA 8260B | 1110768 | 1.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 4-Methyl-2-pentanone (MIBK) | EPA 8260B | 1110768 | 2.5 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Methyl-tert-butyl Ether (MTBE) | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Naphthalene | EPA 8260B | 1110768 | 2.5 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| n-Propylbenzene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Styrene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,1,1,2-Tetrachloroethane | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,1,2,2-Tetrachloroethane | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Tetrachloroethene | EPA 8260B | 1110768 | 0.50 | 1.2 | 1 | 9/21/2011 | 9/21/2011 | |
| Toluene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,2,3-Trichlorobenzene | EPA 8260B | 1110768 | 1.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,2,4-Trichlorobenzene | EPA 8260B | 1110768 | 1.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,1,1-Trichloroethane | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,1,2-Trichloroethane | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Trichloroethene | EPA 8260B | 1110768 | 0.50 | 24 | 1 | 9/21/2011 | 9/21/2011 | |
| Trichlorofluoromethane | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,2,3-Trichloropropane | EPA 8260B | 1110768 | 1.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,2,4-Trimethylbenzene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,3,5-Trimethylbenzene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Vinyl Acetate | EPA 8260B | 1110768 | 1.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Vinyl chloride | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Xylenes, Total | EPA 8260B | 1110768 | 1.5 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Freon 113 | EPA 8260B | 1110768 | 2.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Surrogate: Dibromofluoromethane (80-130%) | | | | 91 % | | | | |
| Surrogate: Toluene-d8 (80-120%) | | | | 98 % | | | | |
| Surrogate: 4-Bromofluorobenzene (80-125%) | | | | 92 % | | | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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PUI0949 <Page 12 of 30>

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0949

Sampled: 09/15/11
Received: 09/15/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0949-06 (GW-EB1-6-091511 - Water) | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| Acetone | EPA 8260B | 1110768 | 10 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Benzene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Bromobenzene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Bromochloromethane | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Bromodichloromethane | EPA 8260B | 1110768 | 0.50 | 1.9 | 1 | 9/21/2011 | 9/21/2011 | |
| Bromoform | EPA 8260B | 1110768 | 1.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Bromomethane | EPA 8260B | 1110768 | 1.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 2-Butanone (MEK) | EPA 8260B | 1110768 | 2.5 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| n-Butylbenzene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| sec-Butylbenzene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| tert-Butylbenzene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Carbon disulfide | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Carbon tetrachloride | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Chlorobenzene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | L3 |
| Chloroethane | EPA 8260B | 1110768 | 1.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Chloroform | EPA 8260B | 1110768 | 0.50 | 7.0 | 1 | 9/21/2011 | 9/21/2011 | |
| Chloromethane | EPA 8260B | 1110768 | 1.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 2-Chlorotoluene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 4-Chlorotoluene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Dibromochloromethane | EPA 8260B | 1110768 | 0.50 | 0.92 | 1 | 9/21/2011 | 9/21/2011 | |
| 1,2-Dibromo-3-chloropropane | EPA 8260B | 1110768 | 2.5 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,2-Dibromoethane (EDB) | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Dibromomethane | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,2-Dichlorobenzene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,3-Dichlorobenzene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,4-Dichlorobenzene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Dichlorodifluoromethane | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,1-Dichloroethane | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,2-Dichloroethane | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,1-Dichloroethene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| cis-1,2-Dichloroethene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| trans-1,2-Dichloroethene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,2-Dichloropropane | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,3-Dichloropropane | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 2,2-Dichloropropane | EPA 8260B | 1110768 | 1.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,1-Dichloropropene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| cis-1,3-Dichloropropene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | NI |
| trans-1,3-Dichloropropene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Ethylbenzene | EPA 8260B | 1110768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Hexachlorobutadiene | EPA 8260B | 1110768 | 1.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |

TestAmerica Phoenix

Kylie Emily
Project Manager

Environmental Resources Management Inc.-West
 7272 E. Indian School Rd., Ste. 100
 Scottsdale, AZ 85251
 Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0949

Sampled: 09/15/11
 Received: 09/15/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0949-06 (GW-EB1-6-091511 - Water) - cont. | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| 2-Hexanone | EPA 8260B | 11I0768 | 2.5 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Iodomethane | EPA 8260B | 11I0768 | 2.5 | ND | 1 | 9/21/2011 | 9/21/2011 | L3 |
| Isopropylbenzene | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| p-Isopropyltoluene | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Methylene Chloride | EPA 8260B | 11I0768 | 1.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 4-Methyl-2-pentanone (MIBK) | EPA 8260B | 11I0768 | 2.5 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Methyl-tert-butyl Ether (MTBE) | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Naphthalene | EPA 8260B | 11I0768 | 2.5 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| n-Propylbenzene | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Styrene | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,1,1,2-Tetrachloroethane | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,1,2,2-Tetrachloroethane | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Tetrachloroethene | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Toluene | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,2,3-Trichlorobenzene | EPA 8260B | 11I0768 | 1.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,2,4-Trichlorobenzene | EPA 8260B | 11I0768 | 1.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,1,1-Trichloroethane | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,1,2-Trichloroethane | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Trichloroethene | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Trichlorofluoromethane | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,2,3-Trichloropropane | EPA 8260B | 11I0768 | 1.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,2,4-Trimethylbenzene | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,3,5-Trimethylbenzene | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Vinyl Acetate | EPA 8260B | 11I0768 | 1.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Vinyl chloride | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Xylenes, Total | EPA 8260B | 11I0768 | 1.5 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Freon 113 | EPA 8260B | 11I0768 | 2.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Surrogate: Dibromofluoromethane (80-130%) | | | | | | | | 100 % |
| Surrogate: Toluene-d8 (80-120%) | | | | | | | | 98 % |
| Surrogate: 4-Bromofluorobenzene (80-125%) | | | | | | | | 90 % |

TestAmerica Phoenix

Kylie Emily
 Project Manager

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PUI0949 <Page 14 of 30>

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0949

Sampled: 09/15/11
Received: 09/15/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0949-07 (GW-L1-6-091511 - Water) | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| Acetone | EPA 8260B | 11I0768 | 10 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Benzene | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Bromobenzene | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Bromochloromethane | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Bromodichloromethane | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Bromoform | EPA 8260B | 11I0768 | 1.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Bromomethane | EPA 8260B | 11I0768 | 1.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 2-Butanone (MEK) | EPA 8260B | 11I0768 | 2.5 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| n-Butylbenzene | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| sec-Butylbenzene | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| tert-Butylbenzene | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Carbon disulfide | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Carbon tetrachloride | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Chlorobenzene | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | L3 |
| Chloroethane | EPA 8260B | 11I0768 | 1.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Chloroform | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Chloromethane | EPA 8260B | 11I0768 | 1.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 2-Chlorotoluene | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 4-Chlorotoluene | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Dibromochloromethane | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,2-Dibromo-3-chloropropane | EPA 8260B | 11I0768 | 2.5 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,2-Dibromoethane (EDB) | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Dibromomethane | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,2-Dichlorobenzene | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,3-Dichlorobenzene | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,4-Dichlorobenzene | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Dichlorodifluoromethane | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,1-Dichloroethane | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,2-Dichloroethane | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,1-Dichloroethene | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| cis-1,2-Dichloroethene | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| trans-1,2-Dichloroethene | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,2-Dichloropropane | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,3-Dichloropropane | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 2,2-Dichloropropane | EPA 8260B | 11I0768 | 1.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,1-Dichloropropene | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| cis-1,3-Dichloropropene | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | N1 |
| trans-1,3-Dichloropropene | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Ethylbenzene | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Hexachlorobutadiene | EPA 8260B | 11I0768 | 1.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |

TestAmerica Phoenix

Kylie Emily
Project Manager

Environmental Resources Management Inc.-West
 7272 E. Indian School Rd., Ste. 100
 Scottsdale, AZ 85251
 Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0949

Sampled: 09/15/11
 Received: 09/15/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0949-07 (GW-L1-6-091511 - Water) - cont. | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| 2-Hexanone | EPA 8260B | 11I0768 | 2.5 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Iodomethane | EPA 8260B | 11I0768 | 2.5 | ND | 1 | 9/21/2011 | 9/21/2011 | L3 |
| Isopropylbenzene | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| p-Isopropyltoluene | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Methylene Chloride | EPA 8260B | 11I0768 | 1.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 4-Methyl-2-pentanone (MIBK) | EPA 8260B | 11I0768 | 2.5 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Methyl-tert-butyl Ether (MTBE) | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Naphthalene | EPA 8260B | 11I0768 | 2.5 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| n-Propylbenzene | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Styrene | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,1,1,2-Tetrachloroethane | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,1,2,2-Tetrachloroethane | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Tetrachloroethene | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Toluene | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,2,3-Trichlorobenzene | EPA 8260B | 11I0768 | 1.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,2,4-Trichlorobenzene | EPA 8260B | 11I0768 | 1.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,1,1-Trichloroethane | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,1,2-Trichloroethane | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Trichloroethene | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Trichlorofluoromethane | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,2,3-Trichloropropane | EPA 8260B | 11I0768 | 1.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,2,4-Trimethylbenzene | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| 1,3,5-Trimethylbenzene | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Vinyl Acetate | EPA 8260B | 11I0768 | 1.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Vinyl chloride | EPA 8260B | 11I0768 | 0.50 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Xylenes, Total | EPA 8260B | 11I0768 | 1.5 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Freon 113 | EPA 8260B | 11I0768 | 2.0 | ND | 1 | 9/21/2011 | 9/21/2011 | |
| Surrogate: Dibromofluoromethane (80-130%) | | | | | | | | 90 % |
| Surrogate: Toluene-d8 (80-120%) | | | | | | | | 99 % |
| Surrogate: 4-Bromofluorobenzene (80-125%) | | | | | | | | 91 % |

TestAmerica Phoenix

Kylie Emily
 Project Manager

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PUI0949 <Page 16 of 30>

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0949

Sampled: 09/15/11
Received: 09/15/11

1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI0949-01 (OU3-13M-M-091511 - Water) | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| 1,4-Dioxane | EPA 8270C | 1110655 | 1.0 | ND | 1 | 9/19/2011 | 9/20/2011 | |
| Surrogate: 1,4-Dioxane-d8 (38.6-88.3%) | | | | 58 % | | | | |
| Surrogate: Nitrobenzene-d5 (59.9-120%) | | | | 71 % | | | | |
| Sample ID: PUI0949-02 (EW-19D-D-091511 - Water) | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| 1,4-Dioxane | EPA 8270C | 1110655 | 1.0 | ND | 1 | 9/19/2011 | 9/20/2011 | |
| Surrogate: 1,4-Dioxane-d8 (38.6-88.3%) | | | | 75 % | | | | |
| Surrogate: Nitrobenzene-d5 (59.9-120%) | | | | 88 % | | | | |
| Sample ID: PUI0949-03 (EW-19S-S-091511 - Water) | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| 1,4-Dioxane | EPA 8270C | 1110655 | 1.0 | 1.2 | 1 | 9/19/2011 | 9/20/2011 | |
| Surrogate: 1,4-Dioxane-d8 (38.6-88.3%) | | | | 70 % | | | | |
| Surrogate: Nitrobenzene-d5 (59.9-120%) | | | | 86 % | | | | |
| Sample ID: PUI0949-04 (EW-20-S-091511 - Water) | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| 1,4-Dioxane | EPA 8270C | 1110655 | 1.1 | 1.5 | 1.11 | 9/19/2011 | 9/20/2011 | |
| Surrogate: 1,4-Dioxane-d8 (38.6-88.3%) | | | | 70 % | | | | |
| Surrogate: Nitrobenzene-d5 (59.9-120%) | | | | 86 % | | | | |
| Sample ID: PUI0949-05 (EW-20-S-091511-Q1 - Water) | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| 1,4-Dioxane | EPA 8270C | 1110655 | 1.0 | 1.5 | 1 | 9/19/2011 | 9/20/2011 | |
| Surrogate: 1,4-Dioxane-d8 (38.6-88.3%) | | | | 80 % | | | | |
| Surrogate: Nitrobenzene-d5 (59.9-120%) | | | | 91 % | | | | |
| Sample ID: PUI0949-06 (GW-EB1-6-091511 - Water) | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| 1,4-Dioxane | EPA 8270C | 1110655 | 1.0 | ND | 1 | 9/19/2011 | 9/20/2011 | |
| Surrogate: 1,4-Dioxane-d8 (38.6-88.3%) | | | | 77 % | | | | |
| Surrogate: Nitrobenzene-d5 (59.9-120%) | | | | 87 % | | | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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PUI0949 <Page 17 of 30>

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0949

Sampled: 09/15/11
Received: 09/15/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-----------------|
| Batch: 1110768 Extracted: 09/21/11 | | | | | | | | | | |
| Blank Analyzed: 09/21/2011 (1110768-BLK1) | | | | | | | | | | |
| Acetone | ND | 10 | ug/l | | | | | | | |
| Benzene | ND | 0.50 | ug/l | | | | | | | |
| Bromobenzene | ND | 0.50 | ug/l | | | | | | | |
| Bromochloromethane | ND | 0.50 | ug/l | | | | | | | |
| Bromodichloromethane | ND | 0.50 | ug/l | | | | | | | |
| Bromoform | ND | 1.0 | ug/l | | | | | | | |
| Bromomethane | ND | 1.0 | ug/l | | | | | | | |
| 2-Butanone (MEK) | ND | 2.5 | ug/l | | | | | | | |
| n-Butylbenzene | ND | 0.50 | ug/l | | | | | | | |
| sec-Butylbenzene | ND | 0.50 | ug/l | | | | | | | |
| tert-Butylbenzene | ND | 0.50 | ug/l | | | | | | | |
| Carbon disulfide | ND | 0.50 | ug/l | | | | | | | |
| Carbon tetrachloride | ND | 0.50 | ug/l | | | | | | | |
| Chlorobenzene | ND | 0.50 | ug/l | | | | | | | |
| Chloroethane | ND | 1.0 | ug/l | | | | | | | |
| Chloroform | ND | 0.50 | ug/l | | | | | | | |
| Chloromethane | ND | 1.0 | ug/l | | | | | | | |
| 2-Chlorotoluene | ND | 0.50 | ug/l | | | | | | | |
| 4-Chlorotoluene | ND | 0.50 | ug/l | | | | | | | |
| Dibromochloromethane | ND | 0.50 | ug/l | | | | | | | |
| 1,2-Dibromo-3-chloropropane | ND | 2.5 | ug/l | | | | | | | |
| 1,2-Dibromoethane (EDB) | ND | 0.50 | ug/l | | | | | | | |
| Dibromomethane | ND | 0.50 | ug/l | | | | | | | |
| 1,2-Dichlorobenzene | ND | 0.50 | ug/l | | | | | | | |
| 1,3-Dichlorobenzene | ND | 0.50 | ug/l | | | | | | | |
| 1,4-Dichlorobenzene | ND | 0.50 | ug/l | | | | | | | |
| Dichlorodifluoromethane | ND | 0.50 | ug/l | | | | | | | |
| 1,1-Dichloroethane | ND | 0.50 | ug/l | | | | | | | |
| 1,2-Dichloroethane | ND | 0.50 | ug/l | | | | | | | |
| 1,1-Dichloroethene | ND | 0.50 | ug/l | | | | | | | |
| cis-1,2-Dichloroethene | ND | 0.50 | ug/l | | | | | | | |
| trans-1,2-Dichloroethene | ND | 0.50 | ug/l | | | | | | | |
| 1,2-Dichloropropane | ND | 0.50 | ug/l | | | | | | | |
| 1,3-Dichloropropane | ND | 0.50 | ug/l | | | | | | | |
| 2,2-Dichloropropane | ND | 1.0 | ug/l | | | | | | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0949

Sampled: 09/15/11

Received: 09/15/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | RPD Limits | RPD RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------|-----------|------------|---------|-----------|-----------------|
| Batch: 1110768 Extracted: 09/21/11 | | | | | | | | | | |
| Blank Analyzed: 09/21/2011 (1110768-BLK1) | | | | | | | | | | |
| 1,1-Dichloropropene | ND | 0.50 | ug/l | | | | | | | |
| cis-1,3-Dichloropropene | ND | 0.50 | ug/l | | | | | | | |
| trans-1,3-Dichloropropene | ND | 0.50 | ug/l | | | | | | | |
| Ethylbenzene | ND | 0.50 | ug/l | | | | | | | |
| Hexachlorobutadiene | ND | 1.0 | ug/l | | | | | | | |
| 2-Hexanone | ND | 2.5 | ug/l | | | | | | | |
| Iodomethane | ND | 2.5 | ug/l | | | | | | | |
| Isopropylbenzene | ND | 0.50 | ug/l | | | | | | | |
| p-Isopropyltoluene | ND | 0.50 | ug/l | | | | | | | |
| Methylene Chloride | ND | 1.0 | ug/l | | | | | | | |
| 4-Methyl-2-pentanone (MIBK) | ND | 2.5 | ug/l | | | | | | | |
| Methyl-tert-butyl Ether (MTBE) | ND | 0.50 | ug/l | | | | | | | |
| Naphthalene | ND | 2.5 | ug/l | | | | | | | |
| n-Propylbenzene | ND | 0.50 | ug/l | | | | | | | |
| Styrene | ND | 0.50 | ug/l | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 0.50 | ug/l | | | | | | | |
| 1,1,2,2-Tetrachloroethane | ND | 0.50 | ug/l | | | | | | | |
| Tetrachloroethene | ND | 0.50 | ug/l | | | | | | | |
| Toluene | ND | 0.50 | ug/l | | | | | | | |
| 1,2,3-Trichlorobenzene | ND | 1.0 | ug/l | | | | | | | |
| 1,2,4-Trichlorobenzene | ND | 1.0 | ug/l | | | | | | | |
| 1,1,1-Trichloroethane | ND | 0.50 | ug/l | | | | | | | |
| 1,1,2-Trichloroethane | ND | 0.50 | ug/l | | | | | | | |
| Trichloroethene | ND | 0.50 | ug/l | | | | | | | |
| Trichlorofluoromethane | ND | 0.50 | ug/l | | | | | | | |
| 1,2,3-Trichloropropane | ND | 1.0 | ug/l | | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 0.50 | ug/l | | | | | | | |
| 1,3,5-Trimethylbenzene | ND | 0.50 | ug/l | | | | | | | |
| Vinyl Acetate | ND | 1.0 | ug/l | | | | | | | |
| Vinyl chloride | ND | 0.50 | ug/l | | | | | | | |
| Xylenes, Total | ND | 1.5 | ug/l | | | | | | | |
| Freon 113 | ND | 2.0 | ug/l | | | | | | | |
| Surrogate: Dibromofluoromethane | 23.0 | | ug/l | 25.0 | | 92 | 80-130 | | | |
| Surrogate: Toluene-d8 | 25.2 | | ug/l | 25.0 | | 101 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 22.0 | | ug/l | 25.0 | | 88 | 80-125 | | | |

TestAmerica Phoenix

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0949

Sampled: 09/15/11
Received: 09/15/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | RPD Limits | RPD RPD | Data Qualifiers |
|---|--------|-----------------|-------|-------------|---------------|-----------|------------|---------|-----------------|
| Batch: 1110768 Extracted: 09/21/11 | | | | | | | | | |
| LCS Analyzed: 09/21/2011 (1110768-BS1) | | | | | | | | | |
| Acetone | 24.6 | 10 | ug/l | 25.0 | | 98 | 10-150 | | |
| Benzene | 23.5 | 0.50 | ug/l | 25.0 | | 94 | 80-120 | | |
| Bromobenzene | 22.8 | 0.50 | ug/l | 25.0 | | 91 | 80-120 | | |
| Bromochloromethane | 22.4 | 0.50 | ug/l | 25.0 | | 90 | 80-125 | | |
| Bromodichloromethane | 20.0 | 0.50 | ug/l | 25.0 | | 80 | 80-120 | | |
| Bromoform | 21.8 | 1.0 | ug/l | 25.0 | | 87 | 75-130 | | |
| Bromomethane | 23.6 | 1.0 | ug/l | 25.0 | | 94 | 55-150 | | |
| 2-Butanone (MEK) | 21.3 | 2.5 | ug/l | 25.0 | | 85 | 40-150 | | |
| n-Butylbenzene | 20.7 | 0.50 | ug/l | 25.0 | | 83 | 80-130 | | |
| sec-Butylbenzene | 22.0 | 0.50 | ug/l | 25.0 | | 88 | 80-125 | | |
| tert-Butylbenzene | 21.2 | 0.50 | ug/l | 25.0 | | 85 | 80-120 | | |
| Carbon disulfide | 21.9 | 0.50 | ug/l | 25.0 | | 88 | 70-140 | | |
| Carbon tetrachloride | 22.5 | 0.50 | ug/l | 25.0 | | 90 | 75-130 | | |
| Chlorobenzene | 23.8 | 0.50 | ug/l | 25.0 | | 95 | 80-120 | | |
| Chloroethane | 20.9 | 1.0 | ug/l | 25.0 | | 83 | 70-130 | | |
| Chloroform | 21.6 | 0.50 | ug/l | 25.0 | | 87 | 75-120 | | |
| Chloromethane | 17.6 | 1.0 | ug/l | 25.0 | | 70 | 60-140 | | |
| 2-Chlorotoluene | 21.1 | 0.50 | ug/l | 25.0 | | 85 | 80-120 | | |
| 4-Chlorotoluene | 21.2 | 0.50 | ug/l | 25.0 | | 85 | 80-120 | | |
| Dibromochloromethane | 21.0 | 0.50 | ug/l | 25.0 | | 84 | 80-120 | | |
| 1,2-Dibromo-3-chloropropane | 21.1 | 2.5 | ug/l | 25.0 | | 84 | 50-150 | | |
| 1,2-Dibromoethane (EDB) | 22.6 | 0.50 | ug/l | 25.0 | | 90 | 80-120 | | |
| Dibromomethane | 21.8 | 0.50 | ug/l | 25.0 | | 87 | 75-120 | | |
| 1,2-Dichlorobenzene | 22.7 | 0.50 | ug/l | 25.0 | | 91 | 80-120 | | |
| 1,3-Dichlorobenzene | 22.7 | 0.50 | ug/l | 25.0 | | 91 | 80-120 | | |
| 1,4-Dichlorobenzene | 22.6 | 0.50 | ug/l | 25.0 | | 91 | 80-120 | | |
| Dichlorodifluoromethane | 17.5 | 0.50 | ug/l | 25.0 | | 70 | 60-150 | | |
| 1,1-Dichloroethane | 21.4 | 0.50 | ug/l | 25.0 | | 86 | 70-125 | | |
| 1,2-Dichloroethane | 20.0 | 0.50 | ug/l | 25.0 | | 80 | 75-130 | | |
| 1,1-Dichloroethene | 22.7 | 0.50 | ug/l | 25.0 | | 91 | 75-125 | | |
| cis-1,2-Dichloroethene | 21.0 | 0.50 | ug/l | 25.0 | | 84 | 80-120 | | |
| trans-1,2-Dichloroethene | 22.2 | 0.50 | ug/l | 25.0 | | 89 | 80-120 | | |
| 1,2-Dichloropropane | 21.4 | 0.50 | ug/l | 25.0 | | 86 | 80-120 | | |
| 1,3-Dichloropropane | 22.0 | 0.50 | ug/l | 25.0 | | 88 | 80-120 | | |
| 2,2-Dichloropropane | 19.7 | 1.0 | ug/l | 25.0 | | 79 | 75-130 | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0949

Sampled: 09/15/11
Received: 09/15/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-------|-------------|---------------|-----------|-------------|---------|-----------|-----------------|
| Batch: 11I0768 Extracted: 09/21/11 | | | | | | | | | | |
| LCS Analyzed: 09/21/2011 (11I0768-BS1) | | | | | | | | | | |
| 1,1-Dichloropropene | 21.1 | 0.50 | ug/l | 25.0 | | 84 | 75-120 | | | |
| cis-1,3-Dichloropropene | 19.5 | 0.50 | ug/l | 25.0 | | 78 | 80-120 | | | NI |
| trans-1,3-Dichloropropene | 20.2 | 0.50 | ug/l | 25.0 | | 81 | 80-125 | | | |
| Ethylbenzene | 22.9 | 0.50 | ug/l | 25.0 | | 92 | 80-120 | | | |
| Hexachlorobutadiene | 22.7 | 1.0 | ug/l | 25.0 | | 91 | 40-150 | | | |
| 2-Hexanone | 18.5 | 2.5 | ug/l | 25.0 | | 74 | 20-150 | | | |
| Iodomethane | 31.1 | 2.5 | ug/l | 25.0 | | 124 | 80-130 | | | |
| Isopropylbenzene | 23.0 | 0.50 | ug/l | 25.0 | | 92 | 80-130 | | | |
| p-Isopropyltoluene | 21.7 | 0.50 | ug/l | 25.0 | | 87 | 80-130 | | | |
| Methylene Chloride | 23.1 | 1.0 | ug/l | 25.0 | | 92 | 70-120 | | | |
| 4-Methyl-2-pentanone (MIBK) | 18.9 | 2.5 | ug/l | 25.0 | | 76 | 60-135 | | | |
| Methyl-tert-butyl Ether (MTBE) | 18.9 | 0.50 | ug/l | 25.0 | | 76 | 70-130 | | | |
| Naphthalene | 20.9 | 2.5 | ug/l | 25.0 | | 83 | 40-150 | | | |
| n-Propylbenzene | 21.7 | 0.50 | ug/l | 25.0 | | 87 | 75-130 | | | |
| Styrene | 20.3 | 0.50 | ug/l | 25.0 | | 81 | 80-120 | | | |
| 1,1,1,2-Tetrachloroethane | 23.2 | 0.50 | ug/l | 25.0 | | 93 | 75-125 | | | |
| 1,1,2,2-Tetrachloroethane | 22.6 | 0.50 | ug/l | 25.0 | | 90 | 80-120 | | | |
| Tetrachloroethene | 24.1 | 0.50 | ug/l | 25.0 | | 96 | 70-130 | | | |
| Toluene | 23.1 | 0.50 | ug/l | 25.0 | | 92 | 80-120 | | | |
| 1,2,3-Trichlorobenzene | 22.5 | 1.0 | ug/l | 25.0 | | 90 | 55-150 | | | |
| 1,2,4-Trichlorobenzene | 22.0 | 1.0 | ug/l | 25.0 | | 88 | 50-150 | | | |
| 1,1,1-Trichloroethane | 21.7 | 0.50 | ug/l | 25.0 | | 87 | 75-125 | | | |
| 1,1,2-Trichloroethane | 22.8 | 0.50 | ug/l | 25.0 | | 91 | 80-120 | | | |
| Trichloroethene | 22.1 | 0.50 | ug/l | 25.0 | | 89 | 80-120 | | | |
| Trichlorofluoromethane | 21.3 | 0.50 | ug/l | 25.0 | | 85 | 70-150 | | | |
| 1,2,3-Trichloropropane | 19.5 | 1.0 | ug/l | 25.0 | | 78 | 70-130 | | | |
| 1,2,4-Trimethylbenzene | 21.4 | 0.50 | ug/l | 25.0 | | 86 | 80-120 | | | |
| 1,3,5-Trimethylbenzene | 21.8 | 0.50 | ug/l | 25.0 | | 87 | 80-130 | | | |
| Vinyl Acetate | 19.3 | 1.0 | ug/l | 25.0 | | 77 | 40-150 | | | |
| Vinyl chloride | 21.1 | 0.50 | ug/l | 25.0 | | 85 | 70-130 | | | |
| Xylenes, Total | 45.2 | 1.5 | ug/l | 50.0 | | 90 | 60-140 | | | |
| Freon 113 | 23.1 | 2.0 | ug/l | 25.0 | | 92 | 60-140 | | | |
| Surrogate: Dibromofluoromethane | 24.6 | | ug/l | 25.0 | | 98 | 80-130 | | | |
| Surrogate: Toluene-d8 | 24.6 | | ug/l | 25.0 | | 98 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 22.9 | | ug/l | 25.0 | | 92 | 80-125 | | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0949

Sampled: 09/15/11
Received: 09/15/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | Limit | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------|-----------|-------|-----|-----------|-----------------|
| Batch: 1110768 Extracted: 09/21/11 | | | | | | | | | | |
| LCS Dup Analyzed: 09/21/2011 (1110768-BSD1) | | | | | | | | | | |
| Acetone | 26.2 | 10 | ug/l | 25.0 | 105 | 10-150 | 6 | 35 | | |
| Benzene | 27.6 | 0.50 | ug/l | 25.0 | 110 | 80-120 | 16 | 15 | | R6 |
| Bromobenzene | 29.4 | 0.50 | ug/l | 25.0 | 118 | 80-120 | 25 | 15 | | R6 |
| Bromochloromethane | 26.6 | 0.50 | ug/l | 25.0 | 106 | 80-125 | 17 | 15 | | R6 |
| Bromodichloromethane | 23.9 | 0.50 | ug/l | 25.0 | 95 | 80-120 | 18 | 15 | | R6 |
| Bromoform | 28.9 | 1.0 | ug/l | 25.0 | 116 | 75-130 | 28 | 20 | | R6 |
| Bromomethane | 28.0 | 1.0 | ug/l | 25.0 | 112 | 55-150 | 17 | 20 | | |
| 2-Butanone (MEK) | 26.1 | 2.5 | ug/l | 25.0 | 105 | 40-150 | 20 | 35 | | |
| n-Butylbenzene | 26.4 | 0.50 | ug/l | 25.0 | 106 | 80-130 | 24 | 15 | | R6 |
| sec-Butylbenzene | 28.1 | 0.50 | ug/l | 25.0 | 112 | 80-125 | 24 | 15 | | R6 |
| tert-Butylbenzene | 27.5 | 0.50 | ug/l | 25.0 | 110 | 80-120 | 26 | 15 | | R6 |
| Carbon disulfide | 26.3 | 0.50 | ug/l | 25.0 | 105 | 70-140 | 18 | 15 | | R6 |
| Carbon tetrachloride | 27.8 | 0.50 | ug/l | 25.0 | 111 | 75-130 | 21 | 20 | | R6 |
| Chlorobenzene | 30.2 | 0.50 | ug/l | 25.0 | 121 | 80-120 | 24 | 15 | | L3, R1 |
| Chloroethane | 23.1 | 1.0 | ug/l | 25.0 | 92 | 70-130 | 10 | 15 | | |
| Chloroform | 25.5 | 0.50 | ug/l | 25.0 | 102 | 75-120 | 16 | 15 | | R6 |
| Chloromethane | 20.9 | 1.0 | ug/l | 25.0 | 84 | 60-140 | 17 | 20 | | |
| 2-Chlorotoluene | 26.5 | 0.50 | ug/l | 25.0 | 106 | 80-120 | 23 | 15 | | R6 |
| 4-Chlorotoluene | 26.8 | 0.50 | ug/l | 25.0 | 107 | 80-120 | 23 | 15 | | R6 |
| Dibromochloromethane | 27.3 | 0.50 | ug/l | 25.0 | 109 | 80-120 | 26 | 15 | | R6 |
| 1,2-Dibromo-3-chloropropane | 25.0 | 2.5 | ug/l | 25.0 | 100 | 50-150 | 17 | 35 | | |
| 1,2-Dibromoethane (EDB) | 29.1 | 0.50 | ug/l | 25.0 | 116 | 80-120 | 25 | 15 | | R6 |
| Dibromomethane | 27.5 | 0.50 | ug/l | 25.0 | 110 | 75-120 | 23 | 15 | | R6 |
| 1,2-Dichlorobenzene | 29.0 | 0.50 | ug/l | 25.0 | 116 | 80-120 | 24 | 15 | | R6 |
| 1,3-Dichlorobenzene | 29.2 | 0.50 | ug/l | 25.0 | 117 | 80-120 | 25 | 15 | | R6 |
| 1,4-Dichlorobenzene | 29.0 | 0.50 | ug/l | 25.0 | 116 | 80-120 | 25 | 15 | | R6 |
| Dichlorodifluoromethane | 21.0 | 0.50 | ug/l | 25.0 | 84 | 60-150 | 18 | 30 | | |
| 1,1-Dichloroethane | 25.6 | 0.50 | ug/l | 25.0 | 102 | 70-125 | 18 | 15 | | R6 |
| 1,2-Dichloroethane | 24.2 | 0.50 | ug/l | 25.0 | 97 | 75-130 | 19 | 15 | | R6 |
| 1,1-Dichloroethene | 27.8 | 0.50 | ug/l | 25.0 | 111 | 75-125 | 20 | 20 | | |
| cis-1,2-Dichloroethene | 24.4 | 0.50 | ug/l | 25.0 | 98 | 80-120 | 15 | 15 | | |
| trans-1,2-Dichloroethene | 25.8 | 0.50 | ug/l | 25.0 | 103 | 80-120 | 15 | 15 | | |
| 1,2-Dichloropropane | 25.8 | 0.50 | ug/l | 25.0 | 103 | 80-120 | 19 | 15 | | R6 |
| 1,3-Dichloropropane | 26.2 | 0.50 | ug/l | 25.0 | 105 | 80-120 | 17 | 15 | | R6 |
| 2,2-Dichloropropane | 23.9 | 1.0 | ug/l | 25.0 | 95 | 75-130 | 19 | 15 | | R6 |

TestAmerica Phoenix

Kylie Emily
Project Manager

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PUI0949 <Page 22 of 30>

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0949

Sampled: 09/15/11
Received: 09/15/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------|-----------|-------------|---------|-----------|-----------------|
| Batch: 1110768 Extracted: 09/21/11 | | | | | | | | | | |
| LCS Dup Analyzed: 09/21/2011 (1110768-BSD1) | | | | | | | | | | |
| 1,1-Dichloropropene | 25.2 | 0.50 | ug/l | 25.0 | 101 | 75-120 | 18 | 15 | | R6 |
| cis-1,3-Dichloropropene | 24.2 | 0.50 | ug/l | 25.0 | 97 | 80-120 | 21 | 15 | | R1 |
| trans-1,3-Dichloropropene | 23.3 | 0.50 | ug/l | 25.0 | 93 | 80-125 | 14 | 15 | | |
| Ethylbenzene | 29.2 | 0.50 | ug/l | 25.0 | 117 | 80-120 | 24 | 15 | | R6 |
| Hexachlorobutadiene | 28.3 | 1.0 | ug/l | 25.0 | 113 | 40-150 | 22 | 35 | | |
| 2-Hexanone | 23.3 | 2.5 | ug/l | 25.0 | 93 | 20-150 | 23 | 35 | | |
| Iodomethane | 36.6 | 2.5 | ug/l | 25.0 | 146 | 80-130 | 16 | 10 | | L3, R1 |
| Isopropylbenzene | 29.4 | 0.50 | ug/l | 25.0 | 118 | 80-130 | 25 | 15 | | R6 |
| p-Isopropyltoluene | 27.7 | 0.50 | ug/l | 25.0 | 111 | 80-130 | 24 | 15 | | R6 |
| Methylene Chloride | 27.3 | 1.0 | ug/l | 25.0 | 109 | 70-120 | 17 | 15 | | R6 |
| 4-Methyl-2-pentanone (MIBK) | 21.9 | 2.5 | ug/l | 25.0 | 88 | 60-135 | 15 | 25 | | |
| Methyl-tert-butyl Ether (MTBE) | 23.1 | 0.50 | ug/l | 25.0 | 92 | 70-130 | 20 | 20 | | |
| Naphthalene | 26.6 | 2.5 | ug/l | 25.0 | 107 | 40-150 | 24 | 30 | | |
| n-Propylbenzene | 28.2 | 0.50 | ug/l | 25.0 | 113 | 75-130 | 26 | 15 | | R6 |
| Styrene | 26.0 | 0.50 | ug/l | 25.0 | 104 | 80-120 | 25 | 15 | | R6 |
| 1,1,1,2-Tetrachloroethane | 28.3 | 0.50 | ug/l | 25.0 | 113 | 75-125 | 20 | 15 | | R6 |
| 1,1,2,2-Tetrachloroethane | 27.6 | 0.50 | ug/l | 25.0 | 110 | 80-120 | 20 | 20 | | |
| Tetrachloroethene | 31.7 | 0.50 | ug/l | 25.0 | 127 | 70-130 | 28 | 20 | | R6 |
| Toluene | 26.3 | 0.50 | ug/l | 25.0 | 105 | 80-120 | 13 | 15 | | |
| 1,2,3-Trichlorobenzene | 29.2 | 1.0 | ug/l | 25.0 | 117 | 55-150 | 26 | 35 | | |
| 1,2,4-Trichlorobenzene | 28.9 | 1.0 | ug/l | 25.0 | 116 | 50-150 | 27 | 30 | | |
| 1,1,1-Trichloroethane | 26.0 | 0.50 | ug/l | 25.0 | 104 | 75-125 | 18 | 15 | | R6 |
| 1,1,2-Trichloroethane | 25.1 | 0.50 | ug/l | 25.0 | 101 | 80-120 | 10 | 15 | | |
| Trichloroethene | 27.8 | 0.50 | ug/l | 25.0 | 111 | 80-120 | 23 | 15 | | R6 |
| Trichlorofluoromethane | 25.6 | 0.50 | ug/l | 25.0 | 102 | 70-150 | 18 | 25 | | |
| 1,2,3-Trichloropropane | 25.9 | 1.0 | ug/l | 25.0 | 104 | 70-130 | 28 | 20 | | R6 |
| 1,2,4-Trimethylbenzene | 27.3 | 0.50 | ug/l | 25.0 | 109 | 80-120 | 24 | 15 | | R6 |
| 1,3,5-Trimethylbenzene | 27.8 | 0.50 | ug/l | 25.0 | 111 | 80-130 | 24 | 15 | | R6 |
| Vinyl Acetate | 23.4 | 1.0 | ug/l | 25.0 | 94 | 40-150 | 19 | 25 | | |
| Vinyl chloride | 24.8 | 0.50 | ug/l | 25.0 | 99 | 70-130 | 16 | 20 | | |
| Xylenes, Total | 57.9 | 1.5 | ug/l | 50.0 | 116 | 60-140 | 25 | 15 | | R6 |
| Freon 113 | 28.7 | 2.0 | ug/l | 25.0 | 115 | 60-140 | 22 | 15 | | R6 |
| Surrogate: Dibromofluoromethane | 24.4 | | ug/l | 25.0 | 98 | 80-130 | | | | |
| Surrogate: Toluene-d8 | 24.1 | | ug/l | 25.0 | 96 | 80-120 | | | | |
| Surrogate: 4-Bromofluorobenzene | 25.0 | | ug/l | 25.0 | 100 | 80-125 | | | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0949

Sampled: 09/15/11
Received: 09/15/11

METHOD BLANK/OC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------------------|-----------|--------|-----|-----------|-----------------|
| Batch: 1110768 Extracted: 09/21/11 | | | | | | | | | | |
| Matrix Spike Analyzed: 09/21/2011 (1110768-MS1) | | | | | Source: PUI0949-03 | | | | | |
| Acetone | 18.2 | 10 | ug/l | 25.0 | ND | 73 | 10-150 | | | |
| Benzene | 26.6 | 0.50 | ug/l | 25.0 | 0.190 | 106 | 70-125 | | | |
| Bromobenzene | 27.4 | 0.50 | ug/l | 25.0 | ND | 109 | 75-120 | | | |
| Bromochloromethane | 25.5 | 0.50 | ug/l | 25.0 | ND | 102 | 75-130 | | | |
| Bromodichloromethane | 23.1 | 0.50 | ug/l | 25.0 | ND | 93 | 75-125 | | | |
| Bromoform | 25.3 | 1.0 | ug/l | 25.0 | ND | 101 | 65-125 | | | |
| Bromomethane | 27.9 | 1.0 | ug/l | 25.0 | ND | 112 | 45-150 | | | |
| 2-Butanone (MEK) | 24.4 | 2.5 | ug/l | 25.0 | ND | 97 | 15-150 | | | |
| n-Butylbenzene | 26.1 | 0.50 | ug/l | 25.0 | ND | 104 | 70-130 | | | |
| sec-Butylbenzene | 27.4 | 0.50 | ug/l | 25.0 | ND | 110 | 70-125 | | | |
| tert-Butylbenzene | 26.8 | 0.50 | ug/l | 25.0 | ND | 107 | 70-125 | | | |
| Carbon disulfide | 26.3 | 0.50 | ug/l | 25.0 | ND | 105 | 65-145 | | | |
| Carbon tetrachloride | 26.6 | 0.50 | ug/l | 25.0 | ND | 106 | 65-135 | | | |
| Chlorobenzene | 29.8 | 0.50 | ug/l | 25.0 | ND | 119 | 75-120 | | | |
| Chloroethane | 23.3 | 1.0 | ug/l | 25.0 | ND | 93 | 65-140 | | | |
| Chloroform | 26.0 | 0.50 | ug/l | 25.0 | 0.860 | 100 | 70-130 | | | |
| Chloromethane | 20.7 | 1.0 | ug/l | 25.0 | ND | 83 | 55-145 | | | |
| 2-Chlorotoluene | 25.8 | 0.50 | ug/l | 25.0 | ND | 103 | 70-125 | | | |
| 4-Chlorotoluene | 25.3 | 0.50 | ug/l | 25.0 | ND | 101 | 70-125 | | | |
| Dibromochloromethane | 25.2 | 0.50 | ug/l | 25.0 | ND | 101 | 70-130 | | | |
| 1,2-Dibromo-3-chloropropane | 22.4 | 2.5 | ug/l | 25.0 | ND | 90 | 50-150 | | | |
| 1,2-Dibromoethane (EDB) | 26.0 | 0.50 | ug/l | 25.0 | ND | 104 | 70-125 | | | |
| Dibromomethane | 25.8 | 0.50 | ug/l | 25.0 | ND | 103 | 70-120 | | | |
| 1,2-Dichlorobenzene | 26.4 | 0.50 | ug/l | 25.0 | ND | 106 | 75-120 | | | |
| 1,3-Dichlorobenzene | 27.4 | 0.50 | ug/l | 25.0 | ND | 110 | 75-120 | | | |
| 1,4-Dichlorobenzene | 27.4 | 0.50 | ug/l | 25.0 | ND | 109 | 70-125 | | | |
| Dichlorodifluoromethane | 20.6 | 0.50 | ug/l | 25.0 | ND | 82 | 60-150 | | | |
| 1,1-Dichloroethane | 26.6 | 0.50 | ug/l | 25.0 | 1.78 | 99 | 70-130 | | | |
| 1,2-Dichloroethane | 22.6 | 0.50 | ug/l | 25.0 | ND | 91 | 65-140 | | | |
| 1,1-Dichloroethene | 29.8 | 0.50 | ug/l | 25.0 | 2.46 | 109 | 70-130 | | | |
| cis-1,2-Dichloroethene | 26.4 | 0.50 | ug/l | 25.0 | 2.42 | 96 | 70-125 | | | |
| trans-1,2-Dichloroethene | 25.5 | 0.50 | ug/l | 25.0 | ND | 102 | 75-125 | | | |
| 1,2-Dichloropropane | 24.6 | 0.50 | ug/l | 25.0 | ND | 98 | 75-125 | | | |
| 1,3-Dichloropropane | 26.4 | 0.50 | ug/l | 25.0 | ND | 105 | 70-120 | | | |
| 2,2-Dichloropropane | 23.2 | 1.0 | ug/l | 25.0 | ND | 93 | 65-140 | | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
 7272 E. Indian School Rd., Ste. 100
 Scottsdale, AZ 85251
 Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0949

Sampled: 09/15/11
 Received: 09/15/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | Limits RPD | RPD | Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------------------|-----------|------------|-----|-------|-----------------|
| Batch: 11I0768 Extracted: 09/21/11 | | | | | | | | | | |
| Matrix Spike Analyzed: 09/21/2011 (11I0768-MS1) | | | | | Source: PUI0949-03 | | | | | |
| 1,1-Dichloropropene | 24.8 | 0.50 | ug/l | 25.0 | ND | 99 | 65-130 | | | |
| cis-1,3-Dichloropropene | 22.7 | 0.50 | ug/l | 25.0 | ND | 91 | 75-130 | | | |
| trans-1,3-Dichloropropene | 22.6 | 0.50 | ug/l | 25.0 | ND | 90 | 70-130 | | | |
| Ethylbenzene | 28.9 | 0.50 | ug/l | 25.0 | ND | 115 | 70-125 | | | |
| Hexachlorobutadiene | 24.4 | 1.0 | ug/l | 25.0 | ND | 97 | 40-150 | | | |
| 2-Hexanone | 19.2 | 2.5 | ug/l | 25.0 | ND | 77 | 20-150 | | | |
| Iodomethane | 35.9 | 2.5 | ug/l | 25.0 | ND | 144 | 60-150 | | | |
| Isopropylbenzene | 28.4 | 0.50 | ug/l | 25.0 | ND | 113 | 75-130 | | | |
| p-Isopropyltoluene | 26.7 | 0.50 | ug/l | 25.0 | ND | 107 | 70-130 | | | |
| Methylene Chloride | 26.4 | 1.0 | ug/l | 25.0 | ND | 106 | 65-130 | | | |
| 4-Methyl-2-pentanone (MIBK) | 19.9 | 2.5 | ug/l | 25.0 | ND | 80 | 55-135 | | | |
| Methyl-tert-butyl Ether (MTBE) | 20.7 | 0.50 | ug/l | 25.0 | ND | 83 | 65-140 | | | |
| Naphthalene | 22.3 | 2.5 | ug/l | 25.0 | ND | 89 | 40-150 | | | |
| n-Propylbenzene | 27.3 | 0.50 | ug/l | 25.0 | ND | 109 | 70-130 | | | |
| Styrene | 24.3 | 0.50 | ug/l | 25.0 | ND | 97 | 55-135 | | | |
| 1,1,1,2-Tetrachloroethane | 28.3 | 0.50 | ug/l | 25.0 | ND | 113 | 70-125 | | | |
| 1,1,2,2-Tetrachloroethane | 24.4 | 0.50 | ug/l | 25.0 | ND | 97 | 70-125 | | | |
| Tetrachloroethene | 31.8 | 0.50 | ug/l | 25.0 | 0.690 | 125 | 65-130 | | | |
| Toluene | 27.6 | 0.50 | ug/l | 25.0 | ND | 110 | 70-125 | | | |
| 1,2,3-Trichlorobenzene | 26.8 | 1.0 | ug/l | 25.0 | ND | 107 | 50-150 | | | |
| 1,2,4-Trichlorobenzene | 26.7 | 1.0 | ug/l | 25.0 | ND | 107 | 50-150 | | | |
| 1,1,1-Trichloroethane | 24.8 | 0.50 | ug/l | 25.0 | ND | 99 | 70-130 | | | |
| 1,1,2-Trichloroethane | 24.0 | 0.50 | ug/l | 25.0 | ND | 96 | 75-125 | | | |
| Trichloroethene | 36.9 | 0.50 | ug/l | 25.0 | 9.59 | 109 | 70-125 | | | |
| Trichlorofluoromethane | 25.2 | 0.50 | ug/l | 25.0 | ND | 101 | 65-150 | | | |
| 1,2,3-Trichloropropane | 24.5 | 1.0 | ug/l | 25.0 | ND | 98 | 70-130 | | | |
| 1,2,4-Trimethylbenzene | 25.8 | 0.50 | ug/l | 25.0 | ND | 103 | 70-125 | | | |
| 1,3,5-Trimethylbenzene | 26.6 | 0.50 | ug/l | 25.0 | ND | 106 | 75-130 | | | |
| Vinyl Acetate | 20.4 | 1.0 | ug/l | 25.0 | ND | 82 | 40-150 | | | |
| Vinyl chloride | 24.5 | 0.50 | ug/l | 25.0 | ND | 98 | 60-140 | | | |
| Xylenes, Total | 57.4 | 1.5 | ug/l | 50.0 | ND | 115 | 75-120 | | | |
| Freon 113 | 27.7 | 2.0 | ug/l | 25.0 | ND | 111 | 65-140 | | | |
| Surrogate: Dibromofluoromethane | 24.3 | | ug/l | 25.0 | | 97 | 80-130 | | | |
| Surrogate: Toluene-d8 | 25.2 | | ug/l | 25.0 | | 101 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 25.0 | | ug/l | 25.0 | | 100 | 80-125 | | | |

TestAmerica Phoenix

Kylie Emily
 Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0949

Sampled: 09/15/11

Received: 09/15/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-------|-------------|---------------------------|------|-------------|-----|-----------|-----------------|
| Batch: 1110768 Extracted: 09/21/11 | | | | | | | | | | |
| Matrix Spike Dup Analyzed: 09/21/2011 (1110768-MSD1) | | | | | Source: PUI0949-03 | | | | | |
| Acetone | 17.7 | 10 | ug/l | 25.0 | ND | 71 | 10-150 | 3 | 35 | |
| Benzene | 24.7 | 0.50 | ug/l | 25.0 | 0.190 | 98 | 70-125 | 7 | 25 | |
| Bromobenzene | 25.8 | 0.50 | ug/l | 25.0 | ND | 103 | 75-120 | 6 | 20 | |
| Bromochloromethane | 22.3 | 0.50 | ug/l | 25.0 | ND | 89 | 75-130 | 13 | 20 | |
| Bromodichloromethane | 20.9 | 0.50 | ug/l | 25.0 | ND | 84 | 75-125 | 10 | 20 | |
| Bromoform | 24.2 | 1.0 | ug/l | 25.0 | ND | 97 | 65-125 | 5 | 25 | |
| Bromomethane | 24.5 | 1.0 | ug/l | 25.0 | ND | 98 | 45-150 | 13 | 35 | |
| 2-Butanone (MEK) | 21.3 | 2.5 | ug/l | 25.0 | ND | 85 | 15-150 | 13 | 30 | |
| n-Butylbenzene | 24.3 | 0.50 | ug/l | 25.0 | ND | 97 | 70-130 | 7 | 30 | |
| sec-Butylbenzene | 25.6 | 0.50 | ug/l | 25.0 | ND | 102 | 70-125 | 7 | 30 | |
| tert-Butylbenzene | 25.0 | 0.50 | ug/l | 25.0 | ND | 100 | 70-125 | 7 | 25 | |
| Carbon disulfide | 23.0 | 0.50 | ug/l | 25.0 | ND | 92 | 65-145 | 13 | 25 | |
| Carbon tetrachloride | 23.8 | 0.50 | ug/l | 25.0 | ND | 95 | 65-135 | 11 | 25 | |
| Chlorobenzene | 26.9 | 0.50 | ug/l | 25.0 | ND | 108 | 75-120 | 10 | 20 | |
| Chloroethane | 21.0 | 1.0 | ug/l | 25.0 | ND | 84 | 65-140 | 10 | 25 | |
| Chloroform | 23.1 | 0.50 | ug/l | 25.0 | 0.860 | 89 | 70-130 | 12 | 20 | |
| Chloromethane | 17.9 | 1.0 | ug/l | 25.0 | ND | 72 | 55-145 | 14 | 35 | |
| 2-Chlorotoluene | 24.1 | 0.50 | ug/l | 25.0 | ND | 96 | 70-125 | 7 | 25 | |
| 4-Chlorotoluene | 24.4 | 0.50 | ug/l | 25.0 | ND | 97 | 70-125 | 4 | 25 | |
| Dibromochloromethane | 24.3 | 0.50 | ug/l | 25.0 | ND | 97 | 70-130 | 4 | 20 | |
| 1,2-Dibromo-3-chloropropane | 20.7 | 2.5 | ug/l | 25.0 | ND | 83 | 50-150 | 8 | 30 | |
| 1,2-Dibromoethane (EDB) | 25.2 | 0.50 | ug/l | 25.0 | ND | 101 | 70-125 | 3 | 20 | |
| Dibromomethane | 23.3 | 0.50 | ug/l | 25.0 | ND | 93 | 70-120 | 10 | 20 | |
| 1,2-Dichlorobenzene | 25.2 | 0.50 | ug/l | 25.0 | ND | 101 | 75-120 | 4 | 20 | |
| 1,3-Dichlorobenzene | 26.0 | 0.50 | ug/l | 25.0 | ND | 104 | 75-120 | 5 | 25 | |
| 1,4-Dichlorobenzene | 25.9 | 0.50 | ug/l | 25.0 | ND | 104 | 70-125 | 5 | 20 | |
| Dichlorodifluoromethane | 18.0 | 0.50 | ug/l | 25.0 | ND | 72 | 60-150 | 13 | 30 | |
| 1,1-Dichloroethane | 24.3 | 0.50 | ug/l | 25.0 | 1.78 | 90 | 70-130 | 9 | 20 | |
| 1,2-Dichloroethane | 20.6 | 0.50 | ug/l | 25.0 | ND | 82 | 65-140 | 9 | 20 | |
| 1,1-Dichloroethene | 26.1 | 0.50 | ug/l | 25.0 | 2.46 | 95 | 70-130 | 13 | 25 | |
| cis-1,2-Dichloroethene | 23.5 | 0.50 | ug/l | 25.0 | 2.42 | 84 | 70-125 | 12 | 20 | |
| trans-1,2-Dichloroethene | 22.6 | 0.50 | ug/l | 25.0 | ND | 90 | 75-125 | 12 | 25 | |
| 1,2-Dichloropropane | 22.5 | 0.50 | ug/l | 25.0 | ND | 90 | 75-125 | 9 | 20 | |
| 1,3-Dichloropropane | 24.7 | 0.50 | ug/l | 25.0 | ND | 99 | 70-120 | 6 | 20 | |
| 2,2-Dichloropropane | 21.1 | 1.0 | ug/l | 25.0 | ND | 85 | 65-140 | 9 | 25 | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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PUI0949 <Page 26 of 30>

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0949

Sampled: 09/15/11
Received: 09/15/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting | Units | Spike | Source | | %REC | RPD | RPD | Data |
|---|--------|-----------|-------|-------|---------------------------|------|--------|-----|-----|------|
| | | Limit | | | Result | %REC | | | | |
| Batch: 1110768 Extracted: 09/21/11 | | | | | | | | | | |
| Matrix Spike Dup Analyzed: 09/21/2011 (1110768-MSD1) | | | | | Source: PUI0949-03 | | | | | |
| 1,1-Dichloropropene | 22.4 | 0.50 | ug/l | 25.0 | ND | 90 | 65-130 | 10 | 25 | |
| cis-1,3-Dichloropropene | 20.1 | 0.50 | ug/l | 25.0 | ND | 80 | 75-130 | 12 | 20 | |
| trans-1,3-Dichloropropene | 20.0 | 0.50 | ug/l | 25.0 | ND | 80 | 70-130 | 12 | 20 | |
| Ethylbenzene | 26.1 | 0.50 | ug/l | 25.0 | ND | 104 | 70-125 | 10 | 25 | |
| Hexachlorobutadiene | 26.0 | 1.0 | ug/l | 25.0 | ND | 104 | 40-150 | 7 | 30 | |
| 2-Hexanone | 20.2 | 2.5 | ug/l | 25.0 | ND | 81 | 20-150 | 5 | 30 | |
| Iodomethane | 32.9 | 2.5 | ug/l | 25.0 | ND | 131 | 60-150 | 9 | 30 | |
| Isopropylbenzene | 27.2 | 0.50 | ug/l | 25.0 | ND | 109 | 75-130 | 4 | 25 | |
| p-Isopropyltoluene | 25.0 | 0.50 | ug/l | 25.0 | ND | 100 | 70-130 | 7 | 30 | |
| Methylene Chloride | 23.4 | 1.0 | ug/l | 25.0 | ND | 94 | 65-130 | 12 | 20 | |
| 4-Methyl-2-pentanone (MIBK) | 17.8 | 2.5 | ug/l | 25.0 | ND | 71 | 55-135 | 11 | 25 | |
| Methyl-tert-butyl Ether (MTBE) | 19.1 | 0.50 | ug/l | 25.0 | ND | 77 | 65-140 | 8 | 25 | |
| Naphthalene | 22.7 | 2.5 | ug/l | 25.0 | ND | 91 | 40-150 | 2 | 30 | |
| n-Propylbenzene | 25.4 | 0.50 | ug/l | 25.0 | ND | 102 | 70-130 | 7 | 30 | |
| Styrene | 17.0 | 0.50 | ug/l | 25.0 | ND | 68 | 55-135 | 35 | 35 | |
| 1,1,1,2-Tetrachloroethane | 26.5 | 0.50 | ug/l | 25.0 | ND | 106 | 70-125 | 7 | 20 | |
| 1,1,2,2-Tetrachloroethane | 23.7 | 0.50 | ug/l | 25.0 | ND | 95 | 70-125 | 3 | 25 | |
| Tetrachloroethene | 28.6 | 0.50 | ug/l | 25.0 | 0.690 | 112 | 65-130 | 11 | 25 | |
| Toluene | 24.8 | 0.50 | ug/l | 25.0 | ND | 99 | 70-125 | 11 | 20 | |
| 1,2,3-Trichlorobenzene | 26.0 | 1.0 | ug/l | 25.0 | ND | 104 | 50-150 | 3 | 35 | |
| 1,2,4-Trichlorobenzene | 25.0 | 1.0 | ug/l | 25.0 | ND | 100 | 50-150 | 7 | 25 | |
| 1,1,1-Trichloroethane | 22.5 | 0.50 | ug/l | 25.0 | ND | 90 | 70-130 | 10 | 25 | |
| 1,1,2-Trichloroethane | 22.4 | 0.50 | ug/l | 25.0 | ND | 90 | 75-125 | 7 | 20 | |
| Trichloroethene | 33.0 | 0.50 | ug/l | 25.0 | 9.59 | 93 | 70-125 | 11 | 25 | |
| Trichlorofluoromethane | 22.2 | 0.50 | ug/l | 25.0 | ND | 89 | 65-150 | 13 | 25 | |
| 1,2,3-Trichloropropane | 21.8 | 1.0 | ug/l | 25.0 | ND | 87 | 70-130 | 11 | 25 | |
| 1,2,4-Trimethylbenzene | 24.0 | 0.50 | ug/l | 25.0 | ND | 96 | 70-125 | 7 | 30 | |
| 1,3,5-Trimethylbenzene | 24.9 | 0.50 | ug/l | 25.0 | ND | 100 | 75-130 | 6 | 25 | |
| Vinyl Acetate | 17.4 | 1.0 | ug/l | 25.0 | ND | 69 | 40-150 | 16 | 30 | |
| Vinyl chloride | 21.4 | 0.50 | ug/l | 25.0 | ND | 86 | 60-140 | 13 | 25 | |
| Xylenes, Total | 51.4 | 1.5 | ug/l | 50.0 | ND | 103 | 75-120 | 11 | 15 | |
| Freon 113 | 25.2 | 2.0 | ug/l | 25.0 | ND | 101 | 65-140 | 10 | 20 | |
| Surrogate: Dibromofluoromethane | 23.9 | | ug/l | 25.0 | | 96 | 80-130 | | | |
| Surrogate: Toluene-d8 | 24.7 | | ug/l | 25.0 | | 99 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 24.3 | | ug/l | 25.0 | | 97 | 80-125 | | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0949

Sampled: 09/15/11
Received: 09/15/11

METHOD BLANK/QC DATA

1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------|-----------|-----------|-----|-----------|-----------------|
| Batch: 1110655 Extracted: 09/19/11 | | | | | | | | | | |
| Blank Analyzed: 09/20/2011 (1110655-BLK1) | | | | | | | | | | |
| 1,4-Dioxane | ND | 1.0 | ug/l | | | | | | | |
| Surrogate: 1,4-Dioxane-d8 | 15.3 | | ug/l | 20.0 | | 76 | 38.6-88.3 | | | |
| Surrogate: Nitrobenzene-d5 | 17.2 | | ug/l | 20.0 | | 86 | 59.9-120 | | | |
| LCS Analyzed: 09/20/2011 (1110655-BS1) | | | | | | | | | | |
| 1,4-Dioxane | 20.4 | 1.0 | ug/l | 20.0 | | 102 | 80-120 | | | |
| Surrogate: 1,4-Dioxane-d8 | 15.1 | | ug/l | 20.0 | | 76 | 32-57 | | | S10 |
| Surrogate: Nitrobenzene-d5 | 17.6 | | ug/l | 20.0 | | 88 | 38-125 | | | |
| LCS Dup Analyzed: 09/20/2011 (1110655-BSD1) | | | | | | | | | | |
| 1,4-Dioxane | 20.8 | 1.0 | ug/l | 20.0 | | 104 | 80-120 | 2 | 25 | |
| Surrogate: 1,4-Dioxane-d8 | 14.1 | | ug/l | 20.0 | | 71 | 32-57 | | | S10 |
| Surrogate: Nitrobenzene-d5 | 16.8 | | ug/l | 20.0 | | 84 | 38-125 | | | |
| Matrix Spike Analyzed: 09/20/2011 (1110655-MS1) Source: PUI0949-03 | | | | | | | | | | |
| 1,4-Dioxane | 21.9 | 1.0 | ug/l | 20.0 | 1.24 | 103 | 70-130 | | | |
| Surrogate: 1,4-Dioxane-d8 | 15.1 | | ug/l | 20.0 | | 75 | 36-81 | | | |
| Surrogate: Nitrobenzene-d5 | 17.8 | | ug/l | 20.0 | | 89 | 59-120 | | | |
| Matrix Spike Dup Analyzed: 09/20/2011 (1110655-MSD1) Source: PUI0949-03 | | | | | | | | | | |
| 1,4-Dioxane | 21.7 | 1.0 | ug/l | 20.0 | 1.24 | 102 | 70-130 | 1 | 25 | |
| Surrogate: 1,4-Dioxane-d8 | 12.2 | | ug/l | 20.0 | | 61 | 36-81 | | | |
| Surrogate: Nitrobenzene-d5 | 14.2 | | ug/l | 20.0 | | 71 | 59-120 | | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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PUI0949 <Page 28 of 30>

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI0949

Sampled: 09/15/11
Received: 09/15/11

DATA QUALIFIERS AND DEFINITIONS

- L3 The associated blank spike recovery was above method acceptance limits.
- N1 See case narrative.
- R1 The RPD/RSD exceeded the method acceptance limit.
- R6 LFB/LFBD RPD exceeded the method acceptance limit. Recovery met acceptance criteria.
- S10 Surrogate recovery was above laboratory and method acceptance limits. See case narrative.
- ND Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
- RPD Relative Percent Difference

TestAmerica Phoenix

Kylie Emily
Project Manager

| | | |
|--|---|---|
| Environmental Resources Management Inc.-West 7272 E. Indian School Rd., Ste. 100 Scottsdale, AZ 85251 Attention: Jason Hilker | Project ID: OU3 0096498.030 Report Number: PUI0949 | Sampled: 09/15/11 Received: 09/15/11 |
|--|---|---|

Certification Summary

TestAmerica Phoenix

| Method | Matrix | Nelac | Arizona |
|-----------|--------|-------|---------|
| EPA 8260B | Water | X | X |
| EPA 8270C | Water | | X |

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for TestAmerica may be obtained by contacting the laboratory or visiting our website at www.testamericainc.com

TestAmerica Phoenix

Kylie Emily
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

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TestAmerica

CHAIN OF CUSTODY FORM

THE LEADER IN ENVIRONMENTAL TESTING
TAL-0013-550 (10/10)

Phoenix - 4625 E. Cotton Center Blvd., Suite 189, Phoenix, AZ 85040 (602) 437-3340 FAX (602) 454-9303
 Tucson - 1870 W. Prince Road, Suite 59, Tucson, AZ 85705 (520) 807-3801 FAX (520) 807-3803
 Las Vegas - 6000 S Eastern Ave., Suite 5E, Las Vegas, NV 89119 (702) 429-1264

Page 1 of 1

| Client Name/Address: <u>ERM</u> <u>7272 E Indian Sch Rd #100</u> <u>Scottsdale AZ 85251</u> | | Project/PO Number: <u>0V3</u> <u>0096498.030</u> | | | | | Analysis Required | | | | | | | | | | |
|---|---------------|--|------------|---------------|---------------------------------|---------------|-------------------|--------------------------------|----------|--|---|--|--|--|-----------------|--|----------------------|
| Project Manager: <u>jason.hilker@erm.com</u> | | Phone Number: <u>480-998-2401</u> | | | | | VOC | 1,1-Dioxane | MS/MSD | | | | | | | | Special Instructions |
| Sampler: <u>Adam Nagle</u> | | Fax Number: | | | | | | | | | | | | | | | |
| Sample Description | Sample Matrix | Container Type | # of Cont. | Sampling Date | Sampling Time | Preservatives | | | | | | | | | | | |
| <u>0V3-13M-M-091511</u> | <u>WT</u> | <u>3x40mL</u> <u>2x1L</u> | <u>5</u> | <u>9/15</u> | <u>0902</u> | <u>HCl</u> | <u>X</u> | <u>X</u> | | | | | | | | | <u>PUI0949-01</u> |
| <u>EW-19D-D-091511</u> | | <u>3x40mL</u> <u>2x1L</u> | <u>5</u> | <u>9/15</u> | <u>1052</u> | <u>HCl</u> | <u>X</u> | <u>X</u> | | | | | | | | | <u>02</u> |
| <u>EW-19S-S-091511</u> | | <u>3x40mL</u> <u>2x1L</u> | <u>5</u> | <u>9/15</u> | <u>1118</u> | <u>HCl</u> | <u>X</u> | <u>X</u> | | | | | | | | | <u>-03</u> |
| <u>EW-19S-S-091511-MSMSD</u> | | <u>3x40mL</u> <u>4x1L</u> | <u>7</u> | <u>9/15</u> | <u>1118</u> | <u>HCl</u> | <u>X</u> | <u>X</u> | <u>X</u> | | | | | | | | <u>04</u> |
| <u>0V3-13M-M-091511</u> | | <u>3x40mL</u> <u>2x1L</u> | | | | | | | | | | | | | | | |
| <u>EW-20-S-091511</u> | | <u>3x40mL</u> <u>2x1L</u> | <u>5</u> | <u>9/15</u> | <u>1351</u> | <u>HCl</u> | <u>X</u> | <u>X</u> | | | | | | | | | <u>PF -0504</u> |
| <u>EW-20-S-091511-Q1</u> | | <u>3x40mL</u> <u>2x1L</u> | <u>5</u> | <u>9/15</u> | <u>1351</u> | <u>HCl</u> | <u>X</u> | <u>X</u> | | | | | | | | | <u>PF -0605</u> |
| <u>GW-EB1-6-091511</u> | | <u>3x40mL</u> <u>2x1L</u> | <u>5</u> | <u>9/15</u> | <u>1352</u> | <u>HCl</u> | <u>X</u> | <u>X</u> | | | | | | | | | <u>PF -0706</u> |
| <u>GW-L1-6-091511</u> | <u>↓</u> | <u>40 mL</u> | <u>1</u> | <u>9/15</u> | <u>--</u> | <u>HCl</u> | <u>X</u> | <u>TRIP BLANK</u> | | | | | | | <u>PF -0807</u> | | |
| Relinquished By: <u>[Signature]</u> / <u>ERM</u> | | Date/Time: <u>9/15 1506</u> | | | Received By: <u>[Signature]</u> | | | Date/Time: <u>9-15-11 1506</u> | | | Turnaround Time: (Check) | | | | | | |
| Relinquished By: | | Date/Time: | | | Received By: | | | Date/Time: | | | same day _____ 72 hours _____ | | | | | | |
| Relinquished By: | | Date/Time: | | | Received By: | | | Date/Time: | | | 24 hours _____ 5 days _____ | | | | | | |
| Relinquished By: | | Date/Time: | | | Received in Lab By: | | | Date/Time: | | | 48 hours _____ normal <input checked="" type="checkbox"/> | | | | | | |
| Relinquished By: | | Date/Time: | | | Received in Lab By: | | | Date/Time: | | | Sample integrity: (Check) | | | | | | |
| Relinquished By: | | Date/Time: | | | Received in Lab By: | | | Date/Time: | | | Intact <input checked="" type="checkbox"/> on ice <input checked="" type="checkbox"/> | | | | | | |

Note: By relinquishing samples to TestAmerica, client agrees to pay for the services requested on this chain of custody form and any additional analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 30 days.

66/29

LABORATORY REPORT

Prepared For: Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project: OU3 0096498.030

Sampled: 09/16/11
Received: 09/16/11
Revised: 11/06/11 10:04

NELAP #01109CA Arizona DHS#AZ0728

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica. The Chain of Custody, 1 page, is included and is an integral part of this report.

This entire report was reviewed and approved for release.

CASE NARRATIVE

LABORATORY ID

PUI1055-01

PUI1055-02

CLIENT ID

EW-13-228-D-091611

DT-DW-5-S-091611

MATRIX

Water

Water

SAMPLE RECEIPT: Samples were received intact, at 2°C, on ice and with chain of custody documentation.

HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the TestAmerica Sample Acceptance Policy unless otherwise noted in the report.

PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

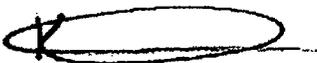
QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.
S10-Surrogate recovery was above acceptance limits.
N1-The RPD exceeded the acceptance limit due to sample matrix effects.

COMMENTS: No significant observations were made.

SUBCONTRACTED: No analyses were subcontracted to an outside laboratory.

ADDITIONAL INFORMATION: Revised report to reflect QAPP limits.

Reviewed By:



TestAmerica Phoenix

Kylie Emily
Project Manager

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI1055

Sampled: 09/16/11
Received: 09/16/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI1055-01 (EW-13-228-D-091611 - Water) | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| Acetone | EPA 8260B | 11I0837 | 10 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Benzene | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Bromobenzene | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Bromochloromethane | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Bromodichloromethane | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Bromoform | EPA 8260B | 11I0837 | 1.0 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Bromomethane | EPA 8260B | 11I0837 | 1.0 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 2-Butanone (MEK) | EPA 8260B | 11I0837 | 2.5 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| n-Butylbenzene | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| sec-Butylbenzene | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| tert-Butylbenzene | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Carbon disulfide | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Carbon tetrachloride | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Chlorobenzene | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Chloroethane | EPA 8260B | 11I0837 | 1.0 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Chloroform | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Chloromethane | EPA 8260B | 11I0837 | 1.0 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 2-Chlorotoluene | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 4-Chlorotoluene | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Dibromochloromethane | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,2-Dibromo-3-chloropropane | EPA 8260B | 11I0837 | 2.5 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,2-Dibromoethane (EDB) | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Dibromomethane | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,2-Dichlorobenzene | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,3-Dichlorobenzene | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,4-Dichlorobenzene | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Dichlorodifluoromethane | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,1-Dichloroethane | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,2-Dichloroethane | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,1-Dichloroethene | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| cis-1,2-Dichloroethene | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| trans-1,2-Dichloroethene | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,2-Dichloropropane | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,3-Dichloropropane | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 2,2-Dichloropropane | EPA 8260B | 11I0837 | 1.0 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,1-Dichloropropene | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| cis-1,3-Dichloropropene | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| trans-1,3-Dichloropropene | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Ethylbenzene | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Hexachlorobutadiene | EPA 8260B | 11I0837 | 1.0 | ND | 1 | 9/23/2011 | 9/23/2011 | |

TestAmerica Phoenix

Kylie Emily
Project Manager

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI1055

Sampled: 09/16/11

Received: 09/16/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI1055-01 (EW-13-228-D-091611 - Water) - cont. | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| 2-Hexanone | EPA 8260B | 11I0837 | 2.5 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Iodomethane | EPA 8260B | 11I0837 | 2.5 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Isopropylbenzene | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| p-Isopropyltoluene | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Methylene Chloride | EPA 8260B | 11I0837 | 1.0 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 4-Methyl-2-pentanone (MIBK) | EPA 8260B | 11I0837 | 2.5 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Methyl-tert-butyl Ether (MTBE) | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Naphthalene | EPA 8260B | 11I0837 | 2.5 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| n-Propylbenzene | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Styrene | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,1,1,2-Tetrachloroethane | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,1,2,2-Tetrachloroethane | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Tetrachloroethene | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Toluene | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,2,3-Trichlorobenzene | EPA 8260B | 11I0837 | 1.0 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,2,4-Trichlorobenzene | EPA 8260B | 11I0837 | 1.0 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,1,1-Trichloroethane | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,1,2-Trichloroethane | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Trichloroethene | EPA 8260B | 11I0837 | 0.50 | 1.8 | 1 | 9/23/2011 | 9/23/2011 | |
| Trichlorofluoromethane | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,2,3-Trichloropropane | EPA 8260B | 11I0837 | 1.0 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,2,4-Trimethylbenzene | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,3,5-Trimethylbenzene | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Vinyl Acetate | EPA 8260B | 11I0837 | 1.0 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Vinyl chloride | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Xylenes, Total | EPA 8260B | 11I0837 | 1.5 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Freon 113 | EPA 8260B | 11I0837 | 2.0 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Surrogate: Dibromofluoromethane (80-130%) | | | | 103 % | | | | |
| Surrogate: Toluene-d8 (80-120%) | | | | 100 % | | | | |
| Surrogate: 4-Bromofluorobenzene (80-125%) | | | | 90 % | | | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

PUI1055 <Page 3 of 19>

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI1055

Sampled: 09/16/11
Received: 09/16/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI1055-02 (DT-DW-5-S-091611 - Water) | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| Acetone | EPA 8260B | 11I0837 | 10 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Benzene | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Bromobenzene | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Bromochloromethane | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Bromodichloromethane | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Bromoform | EPA 8260B | 11I0837 | 1.0 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Bromomethane | EPA 8260B | 11I0837 | 1.0 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 2-Butanone (MEK) | EPA 8260B | 11I0837 | 2.5 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| n-Butylbenzene | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| sec-Butylbenzene | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| tert-Butylbenzene | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Carbon disulfide | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Carbon tetrachloride | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Chlorobenzene | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Chloroethane | EPA 8260B | 11I0837 | 1.0 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Chloroform | EPA 8260B | 11I0837 | 0.50 | 0.62 | 1 | 9/23/2011 | 9/23/2011 | |
| Chloromethane | EPA 8260B | 11I0837 | 1.0 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 2-Chlorotoluene | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 4-Chlorotoluene | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Dibromochloromethane | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,2-Dibromo-3-chloropropane | EPA 8260B | 11I0837 | 2.5 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,2-Dibromoethane (EDB) | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Dibromomethane | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,2-Dichlorobenzene | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,3-Dichlorobenzene | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,4-Dichlorobenzene | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Dichlorodifluoromethane | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,1-Dichloroethane | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,2-Dichloroethane | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,1-Dichloroethene | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| cis-1,2-Dichloroethene | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| trans-1,2-Dichloroethene | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,2-Dichloropropane | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,3-Dichloropropane | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 2,2-Dichloropropane | EPA 8260B | 11I0837 | 1.0 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,1-Dichloropropene | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| cis-1,3-Dichloropropene | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| trans-1,3-Dichloropropene | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Ethylbenzene | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Hexachlorobutadiene | EPA 8260B | 11I0837 | 1.0 | ND | 1 | 9/23/2011 | 9/23/2011 | |

TestAmerica Phoenix

Kylie Emily
Project Manager

Environmental Resources Management Inc.-West
 7272 E. Indian School Rd., Ste. 100
 Scottsdale, AZ 85251
 Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI1055

Sampled: 09/16/11

Received: 09/16/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI1055-02 (DT-DW-5-S-091611 - Water) - cont. | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| 2-Hexanone | EPA 8260B | 11I0837 | 2.5 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Iodomethane | EPA 8260B | 11I0837 | 2.5 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Isopropylbenzene | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| p-Isopropyltoluene | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Methylene Chloride | EPA 8260B | 11I0837 | 1.0 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 4-Methyl-2-pentanone (MIBK) | EPA 8260B | 11I0837 | 2.5 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Methyl-tert-butyl Ether (MTBE) | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Naphthalene | EPA 8260B | 11I0837 | 2.5 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| n-Propylbenzene | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Styrene | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,1,1,2-Tetrachloroethane | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,1,2,2-Tetrachloroethane | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Tetrachloroethene | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Toluene | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,2,3-Trichlorobenzene | EPA 8260B | 11I0837 | 1.0 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,2,4-Trichlorobenzene | EPA 8260B | 11I0837 | 1.0 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,1,1-Trichloroethane | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,1,2-Trichloroethane | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Trichloroethene | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Trichlorofluoromethane | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,2,3-Trichloropropane | EPA 8260B | 11I0837 | 1.0 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,2,4-Trimethylbenzene | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,3,5-Trimethylbenzene | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Vinyl Acetate | EPA 8260B | 11I0837 | 1.0 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Vinyl chloride | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Xylenes, Total | EPA 8260B | 11I0837 | 1.5 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Freon 113 | EPA 8260B | 11I0837 | 2.0 | ND | 1 | 9/23/2011 | 9/23/2011 | |

Surrogate: Dibromofluoromethane (80-130%)

103 %

Surrogate: Toluene-d8 (80-120%)

100 %

Surrogate: 4-Bromofluorobenzene (80-125%)

90 %

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 Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI1055

Sampled: 09/16/11

Received: 09/16/11

1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI1055-01 (EW-13-228-D-091611 - Water) | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| 1,4-Dioxane | EPA 8270C | 11H0714 | 1.2 | ND | 1.18 | 9/20/2011 | 9/21/2011 | |
| Surrogate: 1,4-Dioxane-d8 (38.6-88.3%) | | | | 66 % | | | | |
| Surrogate: Nitrobenzene-d5 (59.9-120%) | | | | 82 % | | | | |
| Sample ID: PUI1055-02 (DT-DW-5-S-091611 - Water) | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| 1,4-Dioxane | EPA 8270C | 11H0714 | 1.2 | 1.2 | 1.18 | 9/20/2011 | 9/21/2011 | |
| Surrogate: 1,4-Dioxane-d8 (38.6-88.3%) | | | | 56 % | | | | |
| Surrogate: Nitrobenzene-d5 (59.9-120%) | | | | 88 % | | | | |

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PUI1055 <Page 6 of 19>

Environmental Resources Management Inc.-West
 7272 E. Indian School Rd., Ste. 100
 Scottsdale, AZ 85251
 Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI1055

Sampled: 09/16/11
 Received: 09/16/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | RPD RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------|-----------|---------|-----------|-----------------|
| Batch: 1110837 Extracted: 09/23/11 | | | | | | | | | |
| Blank Analyzed: 09/23/2011 (1110837-BLK1) | | | | | | | | | |
| Acetone | ND | 10 | ug/l | | | | | | |
| Benzene | ND | 0.50 | ug/l | | | | | | |
| Bromobenzene | ND | 0.50 | ug/l | | | | | | |
| Bromochloromethane | ND | 0.50 | ug/l | | | | | | |
| Bromodichloromethane | ND | 0.50 | ug/l | | | | | | |
| Bromoform | ND | 1.0 | ug/l | | | | | | |
| Bromomethane | ND | 1.0 | ug/l | | | | | | |
| 2-Butanone (MEK) | ND | 2.5 | ug/l | | | | | | |
| n-Butylbenzene | ND | 0.50 | ug/l | | | | | | |
| sec-Butylbenzene | ND | 0.50 | ug/l | | | | | | |
| tert-Butylbenzene | ND | 0.50 | ug/l | | | | | | |
| Carbon disulfide | ND | 0.50 | ug/l | | | | | | |
| Carbon tetrachloride | ND | 0.50 | ug/l | | | | | | |
| Chlorobenzene | ND | 0.50 | ug/l | | | | | | |
| Chloroethane | ND | 1.0 | ug/l | | | | | | |
| Chloroform | ND | 0.50 | ug/l | | | | | | |
| Chloromethane | ND | 1.0 | ug/l | | | | | | |
| 2-Chlorotoluene | ND | 0.50 | ug/l | | | | | | |
| 4-Chlorotoluene | ND | 0.50 | ug/l | | | | | | |
| Dibromochloromethane | ND | 0.50 | ug/l | | | | | | |
| 1,2-Dibromo-3-chloropropane | ND | 2.5 | ug/l | | | | | | |
| 1,2-Dibromoethane (EDB) | ND | 0.50 | ug/l | | | | | | |
| Dibromomethane | ND | 0.50 | ug/l | | | | | | |
| 1,2-Dichlorobenzene | ND | 0.50 | ug/l | | | | | | |
| 1,3-Dichlorobenzene | ND | 0.50 | ug/l | | | | | | |
| 1,4-Dichlorobenzene | ND | 0.50 | ug/l | | | | | | |
| Dichlorodifluoromethane | ND | 0.50 | ug/l | | | | | | |
| 1,1-Dichloroethane | ND | 0.50 | ug/l | | | | | | |
| 1,2-Dichloroethane | ND | 0.50 | ug/l | | | | | | |
| 1,1-Dichloroethene | ND | 0.50 | ug/l | | | | | | |
| cis-1,2-Dichloroethene | ND | 0.50 | ug/l | | | | | | |
| trans-1,2-Dichloroethene | ND | 0.50 | ug/l | | | | | | |
| 1,2-Dichloropropane | ND | 0.50 | ug/l | | | | | | |
| 1,3-Dichloropropane | ND | 0.50 | ug/l | | | | | | |
| 2,2-Dichloropropane | ND | 1.0 | ug/l | | | | | | |

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI1055

Sampled: 09/16/11

Received: 09/16/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | RPD Limits | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------|-----------|------------|-----------|-----------------|
| Batch: 1110837 Extracted: 09/23/11 | | | | | | | | | |
| Blank Analyzed: 09/23/2011 (1110837-BLK1) | | | | | | | | | |
| 1,1-Dichloropropene | ND | 0.50 | ug/l | | | | | | |
| cis-1,3-Dichloropropene | ND | 0.50 | ug/l | | | | | | |
| trans-1,3-Dichloropropene | ND | 0.50 | ug/l | | | | | | |
| Ethylbenzene | ND | 0.50 | ug/l | | | | | | |
| Hexachlorobutadiene | ND | 1.0 | ug/l | | | | | | |
| 2-Hexanone | ND | 2.5 | ug/l | | | | | | |
| Iodomethane | ND | 2.5 | ug/l | | | | | | |
| Isopropylbenzene | ND | 0.50 | ug/l | | | | | | |
| p-Isopropyltoluene | ND | 0.50 | ug/l | | | | | | |
| Methylene Chloride | ND | 1.0 | ug/l | | | | | | |
| 4-Methyl-2-pentanone (MIBK) | ND | 2.5 | ug/l | | | | | | |
| Methyl-tert-butyl Ether (MTBE) | ND | 0.50 | ug/l | | | | | | |
| Naphthalene | ND | 2.5 | ug/l | | | | | | |
| n-Propylbenzene | ND | 0.50 | ug/l | | | | | | |
| Styrene | ND | 0.50 | ug/l | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 0.50 | ug/l | | | | | | |
| 1,1,2,2-Tetrachloroethane | ND | 0.50 | ug/l | | | | | | |
| Tetrachloroethene | ND | 0.50 | ug/l | | | | | | |
| Toluene | ND | 0.50 | ug/l | | | | | | |
| 1,2,3-Trichlorobenzene | ND | 1.0 | ug/l | | | | | | |
| 1,2,4-Trichlorobenzene | ND | 1.0 | ug/l | | | | | | |
| 1,1,1-Trichloroethane | ND | 0.50 | ug/l | | | | | | |
| 1,1,2-Trichloroethane | ND | 0.50 | ug/l | | | | | | |
| Trichloroethene | ND | 0.50 | ug/l | | | | | | |
| Trichlorofluoromethane | ND | 0.50 | ug/l | | | | | | |
| 1,2,3-Trichloropropane | ND | 1.0 | ug/l | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 0.50 | ug/l | | | | | | |
| 1,3,5-Trimethylbenzene | ND | 0.50 | ug/l | | | | | | |
| Vinyl Acetate | ND | 1.0 | ug/l | | | | | | |
| Vinyl chloride | ND | 0.50 | ug/l | | | | | | |
| Xylenes, Total | ND | 1.5 | ug/l | | | | | | |
| Freon 113 | ND | 2.0 | ug/l | | | | | | |
| Surrogate: Dibromofluoromethane | 25.0 | | ug/l | 25.0 | | 100 | 80-130 | | |
| Surrogate: Toluene-d8 | 24.6 | | ug/l | 25.0 | | 98 | 80-120 | | |
| Surrogate: 4-Bromofluorobenzene | 22.7 | | ug/l | 25.0 | | 91 | 80-125 | | |

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Environmental Resources Management Inc.-West
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Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI1055

Sampled: 09/16/11
Received: 09/16/11

METHOD BLANK/OC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-------|-------------|---------------|-----------|--------|-----|-----------|-----------------|
| Batch: 1110837 Extracted: 09/23/11 | | | | | | | | | | |
| LCS Analyzed: 09/23/2011 (1110837-BS1) | | | | | | | | | | |
| Acetone | 16.4 | 10 | ug/l | 25.0 | | 66 | 10-150 | | | |
| Benzene | 23.2 | 0.50 | ug/l | 25.0 | | 93 | 80-120 | | | |
| Bromobenzene | 24.3 | 0.50 | ug/l | 25.0 | | 97 | 80-120 | | | |
| Bromochloromethane | 20.4 | 0.50 | ug/l | 25.0 | | 82 | 80-125 | | | |
| Bromodichloromethane | 21.7 | 0.50 | ug/l | 25.0 | | 87 | 80-120 | | | |
| Bromoform | 22.6 | 1.0 | ug/l | 25.0 | | 91 | 75-130 | | | |
| Bromomethane | 21.3 | 1.0 | ug/l | 25.0 | | 85 | 55-150 | | | |
| 2-Butanone (MEK) | 19.4 | 2.5 | ug/l | 25.0 | | 77 | 40-150 | | | |
| n-Butylbenzene | 28.7 | 0.50 | ug/l | 25.0 | | 115 | 80-130 | | | |
| sec-Butylbenzene | 28.6 | 0.50 | ug/l | 25.0 | | 114 | 80-125 | | | |
| tert-Butylbenzene | 26.8 | 0.50 | ug/l | 25.0 | | 107 | 80-120 | | | |
| Carbon disulfide | 26.9 | 0.50 | ug/l | 25.0 | | 107 | 70-140 | | | |
| Carbon tetrachloride | 22.6 | 0.50 | ug/l | 25.0 | | 90 | 75-130 | | | |
| Chlorobenzene | 24.0 | 0.50 | ug/l | 25.0 | | 96 | 80-120 | | | |
| Chloroethane | 22.4 | 1.0 | ug/l | 25.0 | | 90 | 70-130 | | | |
| Chloroform | 22.6 | 0.50 | ug/l | 25.0 | | 90 | 75-120 | | | |
| Chloromethane | 20.5 | 1.0 | ug/l | 25.0 | | 82 | 60-140 | | | |
| 2-Chlorotoluene | 26.6 | 0.50 | ug/l | 25.0 | | 107 | 80-120 | | | |
| 4-Chlorotoluene | 27.1 | 0.50 | ug/l | 25.0 | | 109 | 80-120 | | | |
| Dibromochloromethane | 21.8 | 0.50 | ug/l | 25.0 | | 87 | 80-120 | | | |
| 1,2-Dibromo-3-chloropropane | 22.4 | 2.5 | ug/l | 25.0 | | 90 | 50-150 | | | |
| 1,2-Dibromoethane (EDB) | 21.7 | 0.50 | ug/l | 25.0 | | 87 | 80-120 | | | |
| Dibromomethane | 20.3 | 0.50 | ug/l | 25.0 | | 81 | 75-120 | | | |
| 1,2-Dichlorobenzene | 24.1 | 0.50 | ug/l | 25.0 | | 96 | 80-120 | | | |
| 1,3-Dichlorobenzene | 25.4 | 0.50 | ug/l | 25.0 | | 102 | 80-120 | | | |
| 1,4-Dichlorobenzene | 25.0 | 0.50 | ug/l | 25.0 | | 100 | 80-120 | | | |
| Dichlorodifluoromethane | 19.6 | 0.50 | ug/l | 25.0 | | 78 | 60-150 | | | |
| 1,1-Dichloroethane | 23.4 | 0.50 | ug/l | 25.0 | | 93 | 70-125 | | | |
| 1,2-Dichloroethane | 21.9 | 0.50 | ug/l | 25.0 | | 88 | 75-130 | | | |
| 1,1-Dichloroethene | 23.0 | 0.50 | ug/l | 25.0 | | 92 | 75-125 | | | |
| cis-1,2-Dichloroethene | 21.3 | 0.50 | ug/l | 25.0 | | 85 | 80-120 | | | |
| trans-1,2-Dichloroethene | 22.8 | 0.50 | ug/l | 25.0 | | 91 | 80-120 | | | |
| 1,2-Dichloropropane | 22.6 | 0.50 | ug/l | 25.0 | | 91 | 80-120 | | | |
| 1,3-Dichloropropane | 23.0 | 0.50 | ug/l | 25.0 | | 92 | 80-120 | | | |
| 2,2-Dichloropropane | 23.4 | 1.0 | ug/l | 25.0 | | 94 | 75-130 | | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030
Report Number: PUI1055

Sampled: 09/16/11
Received: 09/16/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-------|-------------|---------------|------|-----|-----------|-----------------|
| Batch: 1110837 Extracted: 09/23/11 | | | | | | | | | |
| LCS Analyzed: 09/23/2011 (1110837-BS1) | | | | | | | | | |
| 1,1-Dichloropropene | 22.1 | 0.50 | ug/l | 25.0 | | 88 | | 75-120 | |
| cis-1,3-Dichloropropene | 21.3 | 0.50 | ug/l | 25.0 | | 85 | | 80-120 | |
| trans-1,3-Dichloropropene | 20.5 | 0.50 | ug/l | 25.0 | | 82 | | 80-125 | |
| Ethylbenzene | 24.6 | 0.50 | ug/l | 25.0 | | 98 | | 80-120 | |
| Hexachlorobutadiene | 25.5 | 1.0 | ug/l | 25.0 | | 102 | | 40-150 | |
| 2-Hexanone | 21.3 | 2.5 | ug/l | 25.0 | | 85 | | 20-150 | |
| Iodomethane | 25.5 | 2.5 | ug/l | 25.0 | | 102 | | 80-130 | |
| Isopropylbenzene | 29.2 | 0.50 | ug/l | 25.0 | | 117 | | 80-130 | |
| p-Isopropyltoluene | 28.2 | 0.50 | ug/l | 25.0 | | 113 | | 80-130 | |
| Methylene Chloride | 21.2 | 1.0 | ug/l | 25.0 | | 85 | | 70-120 | |
| 4-Methyl-2-pentanone (MIBK) | 20.8 | 2.5 | ug/l | 25.0 | | 83 | | 60-135 | |
| Methyl-tert-butyl Ether (MTBE) | 19.5 | 0.50 | ug/l | 25.0 | | 78 | | 70-130 | |
| Naphthalene | 24.0 | 2.5 | ug/l | 25.0 | | 96 | | 40-150 | |
| n-Propylbenzene | 28.1 | 0.50 | ug/l | 25.0 | | 112 | | 75-130 | |
| Styrene | 21.8 | 0.50 | ug/l | 25.0 | | 87 | | 80-120 | |
| 1,1,1,2-Tetrachloroethane | 22.6 | 0.50 | ug/l | 25.0 | | 90 | | 75-125 | |
| 1,1,2,2-Tetrachloroethane | 24.0 | 0.50 | ug/l | 25.0 | | 96 | | 80-120 | |
| Tetrachloroethene | 23.9 | 0.50 | ug/l | 25.0 | | 95 | | 70-130 | |
| Toluene | 22.5 | 0.50 | ug/l | 25.0 | | 90 | | 80-120 | |
| 1,2,3-Trichlorobenzene | 24.6 | 1.0 | ug/l | 25.0 | | 98 | | 55-150 | |
| 1,2,4-Trichlorobenzene | 24.2 | 1.0 | ug/l | 25.0 | | 97 | | 50-150 | |
| 1,1,1-Trichloroethane | 23.1 | 0.50 | ug/l | 25.0 | | 92 | | 75-125 | |
| 1,1,2-Trichloroethane | 20.0 | 0.50 | ug/l | 25.0 | | 80 | | 80-120 | |
| Trichloroethene | 22.8 | 0.50 | ug/l | 25.0 | | 91 | | 80-120 | |
| Trichlorofluoromethane | 22.4 | 0.50 | ug/l | 25.0 | | 90 | | 70-150 | |
| 1,2,3-Trichloropropane | 23.1 | 1.0 | ug/l | 25.0 | | 92 | | 70-130 | |
| 1,2,4-Trimethylbenzene | 26.4 | 0.50 | ug/l | 25.0 | | 105 | | 80-120 | |
| 1,3,5-Trimethylbenzene | 27.6 | 0.50 | ug/l | 25.0 | | 110 | | 80-130 | |
| Vinyl Acetate | 22.3 | 1.0 | ug/l | 25.0 | | 89 | | 40-150 | |
| Vinyl chloride | 20.3 | 0.50 | ug/l | 25.0 | | 81 | | 70-130 | |
| Xylenes, Total | 45.4 | 1.5 | ug/l | 50.0 | | 91 | | 60-140 | |
| Freon 113 | 22.7 | 2.0 | ug/l | 25.0 | | 91 | | 60-140 | |
| Surrogate: Dibromofluoromethane | 24.7 | | ug/l | 25.0 | | 99 | | 80-130 | |
| Surrogate: Toluene-d8 | 24.3 | | ug/l | 25.0 | | 97 | | 80-120 | |
| Surrogate: 4-Bromofluorobenzene | 23.1 | | ug/l | 25.0 | | 93 | | 80-125 | |

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI1055

Sampled: 09/16/11
Received: 09/16/11

METHOD BLANK/OC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | Limit | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------|-----------|--------|------|-----------|-----------------|
| Batch: 1110837 Extracted: 09/23/11 | | | | | | | | | | |
| LCS Dup Analyzed: 09/23/2011 (1110837-BSD1) | | | | | | | | | | |
| Acetone | 17.5 | 10 | ug/l | 25.0 | | 70 | 10-150 | 6 | 35 | |
| Benzene | 22.6 | 0.50 | ug/l | 25.0 | | 90 | 80-120 | 2 | 15 | |
| Bromobenzene | 24.3 | 0.50 | ug/l | 25.0 | | 97 | 80-120 | 0.08 | 15 | |
| Bromochloromethane | 20.8 | 0.50 | ug/l | 25.0 | | 83 | 80-125 | 2 | 15 | |
| Bromodichloromethane | 22.2 | 0.50 | ug/l | 25.0 | | 89 | 80-120 | 2 | 15 | |
| Bromoform | 23.7 | 1.0 | ug/l | 25.0 | | 95 | 75-130 | 4 | 20 | |
| Bromomethane | 20.9 | 1.0 | ug/l | 25.0 | | 84 | 55-150 | 2 | 20 | |
| 2-Butanone (MEK) | 20.0 | 2.5 | ug/l | 25.0 | | 80 | 40-150 | 3 | 35 | |
| n-Butylbenzene | 27.2 | 0.50 | ug/l | 25.0 | | 109 | 80-130 | 5 | 15 | |
| sec-Butylbenzene | 26.7 | 0.50 | ug/l | 25.0 | | 107 | 80-125 | 7 | 15 | |
| tert-Butylbenzene | 25.2 | 0.50 | ug/l | 25.0 | | 101 | 80-120 | 6 | 15 | |
| Carbon disulfide | 25.7 | 0.50 | ug/l | 25.0 | | 103 | 70-140 | 5 | 15 | |
| Carbon tetrachloride | 22.5 | 0.50 | ug/l | 25.0 | | 90 | 75-130 | 0.4 | 20 | |
| Chlorobenzene | 23.7 | 0.50 | ug/l | 25.0 | | 95 | 80-120 | 2 | 15 | |
| Chloroethane | 22.3 | 1.0 | ug/l | 25.0 | | 89 | 70-130 | 0.6 | 15 | |
| Chloroform | 22.1 | 0.50 | ug/l | 25.0 | | 88 | 75-120 | 2 | 15 | |
| Chloromethane | 20.9 | 1.0 | ug/l | 25.0 | | 84 | 60-140 | 2 | 20 | |
| 2-Chlorotoluene | 25.6 | 0.50 | ug/l | 25.0 | | 102 | 80-120 | 4 | 15 | |
| 4-Chlorotoluene | 26.0 | 0.50 | ug/l | 25.0 | | 104 | 80-120 | 4 | 15 | |
| Dibromochloromethane | 22.8 | 0.50 | ug/l | 25.0 | | 91 | 80-120 | 5 | 15 | |
| 1,2-Dibromo-3-chloropropane | 24.6 | 2.5 | ug/l | 25.0 | | 98 | 50-150 | 9 | 35 | |
| 1,2-Dibromoethane (EDB) | 23.0 | 0.50 | ug/l | 25.0 | | 92 | 80-120 | 6 | 15 | |
| Dibromomethane | 21.4 | 0.50 | ug/l | 25.0 | | 86 | 75-120 | 5 | 15 | |
| 1,2-Dichlorobenzene | 24.4 | 0.50 | ug/l | 25.0 | | 98 | 80-120 | 1 | 15 | |
| 1,3-Dichlorobenzene | 24.6 | 0.50 | ug/l | 25.0 | | 98 | 80-120 | 3 | 15 | |
| 1,4-Dichlorobenzene | 24.6 | 0.50 | ug/l | 25.0 | | 98 | 80-120 | 2 | 15 | |
| Dichlorodifluoromethane | 19.4 | 0.50 | ug/l | 25.0 | | 77 | 60-150 | 1 | 30 | |
| 1,1-Dichloroethane | 22.5 | 0.50 | ug/l | 25.0 | | 90 | 70-125 | 4 | 15 | |
| 1,2-Dichloroethane | 23.1 | 0.50 | ug/l | 25.0 | | 92 | 75-130 | 5 | 15 | |
| 1,1-Dichloroethene | 22.3 | 0.50 | ug/l | 25.0 | | 89 | 75-125 | 3 | 20 | |
| cis-1,2-Dichloroethene | 20.6 | 0.50 | ug/l | 25.0 | | 82 | 80-120 | 4 | 15 | |
| trans-1,2-Dichloroethene | 21.5 | 0.50 | ug/l | 25.0 | | 86 | 80-120 | 6 | 15 | |
| 1,2-Dichloropropane | 22.7 | 0.50 | ug/l | 25.0 | | 91 | 80-120 | 0.09 | 15 | |
| 1,3-Dichloropropane | 24.3 | 0.50 | ug/l | 25.0 | | 97 | 80-120 | 6 | 15 | |
| 2,2-Dichloropropane | 22.5 | 1.0 | ug/l | 25.0 | | 90 | 75-130 | 4 | 15 | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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PUI1055 <Page 11 of 19>

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030
Report Number: PUI1055

Sampled: 09/16/11
Received: 09/16/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-----------------|
| Batch: 1110837 Extracted: 09/23/11 | | | | | | | | | | |
| LCS Dup Analyzed: 09/23/2011 (1110837-BSD1) | | | | | | | | | | |
| 1,1-Dichloropropene | 21.9 | 0.50 | ug/l | 25.0 | | 87 | 75-120 | 1 | 15 | |
| cis-1,3-Dichloropropene | 21.7 | 0.50 | ug/l | 25.0 | | 87 | 80-120 | 2 | 15 | |
| trans-1,3-Dichloropropene | 21.6 | 0.50 | ug/l | 25.0 | | 86 | 80-125 | 5 | 15 | |
| Ethylbenzene | 24.0 | 0.50 | ug/l | 25.0 | | 96 | 80-120 | 3 | 15 | |
| Hexachlorobutadiene | 23.3 | 1.0 | ug/l | 25.0 | | 93 | 40-150 | 9 | 35 | |
| 2-Hexanone | 24.4 | 2.5 | ug/l | 25.0 | | 97 | 20-150 | 14 | 35 | |
| Iodomethane | 25.3 | 2.5 | ug/l | 25.0 | | 101 | 80-130 | 0.7 | 10 | |
| Isopropylbenzene | 27.4 | 0.50 | ug/l | 25.0 | | 110 | 80-130 | 6 | 15 | |
| p-Isopropyltoluene | 26.6 | 0.50 | ug/l | 25.0 | | 107 | 80-130 | 6 | 15 | |
| Methylene Chloride | 21.0 | 1.0 | ug/l | 25.0 | | 84 | 70-120 | 0.7 | 15 | |
| 4-Methyl-2-pentanone (MIBK) | 23.9 | 2.5 | ug/l | 25.0 | | 96 | 60-135 | 14 | 25 | |
| Methyl-tert-butyl Ether (MTBE) | 21.4 | 0.50 | ug/l | 25.0 | | 85 | 70-130 | 9 | 20 | |
| Naphthalene | 25.1 | 2.5 | ug/l | 25.0 | | 100 | 40-150 | 5 | 30 | |
| n-Propylbenzene | 26.7 | 0.50 | ug/l | 25.0 | | 107 | 75-130 | 5 | 15 | |
| Styrene | 21.5 | 0.50 | ug/l | 25.0 | | 86 | 80-120 | 2 | 15 | |
| 1,1,1,2-Tetrachloroethane | 22.5 | 0.50 | ug/l | 25.0 | | 90 | 75-125 | 0.6 | 15 | |
| 1,1,2,2-Tetrachloroethane | 26.2 | 0.50 | ug/l | 25.0 | | 105 | 80-120 | 8 | 20 | |
| Tetrachloroethene | 23.0 | 0.50 | ug/l | 25.0 | | 92 | 70-130 | 4 | 20 | |
| Toluene | 21.8 | 0.50 | ug/l | 25.0 | | 87 | 80-120 | 3 | 15 | |
| 1,2,3-Trichlorobenzene | 25.3 | 1.0 | ug/l | 25.0 | | 101 | 55-150 | 3 | 35 | |
| 1,2,4-Trichlorobenzene | 24.2 | 1.0 | ug/l | 25.0 | | 97 | 50-150 | 0.4 | 30 | |
| 1,1,1-Trichloroethane | 22.5 | 0.50 | ug/l | 25.0 | | 90 | 75-125 | 2 | 15 | |
| 1,1,2-Trichloroethane | 21.4 | 0.50 | ug/l | 25.0 | | 85 | 80-120 | 6 | 15 | |
| Trichloroethene | 22.1 | 0.50 | ug/l | 25.0 | | 88 | 80-120 | 3 | 15 | |
| Trichlorofluoromethane | 21.4 | 0.50 | ug/l | 25.0 | | 86 | 70-150 | 5 | 25 | |
| 1,2,3-Trichloropropane | 24.8 | 1.0 | ug/l | 25.0 | | 99 | 70-130 | 7 | 20 | |
| 1,2,4-Trimethylbenzene | 25.1 | 0.50 | ug/l | 25.0 | | 101 | 80-120 | 5 | 15 | |
| 1,3,5-Trimethylbenzene | 26.2 | 0.50 | ug/l | 25.0 | | 105 | 80-130 | 5 | 15 | |
| Vinyl Acetate | 24.0 | 1.0 | ug/l | 25.0 | | 96 | 40-150 | 8 | 25 | |
| Vinyl chloride | 20.4 | 0.50 | ug/l | 25.0 | | 82 | 70-130 | 0.7 | 20 | |
| Xylenes, Total | 44.2 | 1.5 | ug/l | 50.0 | | 88 | 60-140 | 3 | 15 | |
| Freon 113 | 22.1 | 2.0 | ug/l | 25.0 | | 89 | 60-140 | 2 | 15 | |
| Surrogate: Dibromofluoromethane | 25.2 | | ug/l | 25.0 | | 101 | 80-130 | | | |
| Surrogate: Toluene-d8 | 24.6 | | ug/l | 25.0 | | 98 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 23.8 | | ug/l | 25.0 | | 95 | 80-125 | | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI1055

Sampled: 09/16/11
Received: 09/16/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | RPD Limits | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------------------|-----------|------------|-----------|-----------------|
| Batch: 1110837 Extracted: 09/23/11 | | | | | | | | | |
| Matrix Spike Analyzed: 09/23/2011 (1110837-MS1) | | | | | Source: PUI1044-12 | | | | |
| Acetone | 12.8 | 10 | ug/l | 25.0 | ND | 51 | 10-150 | | |
| Benzene | 22.8 | 0.50 | ug/l | 25.0 | ND | 91 | 70-125 | | |
| Bromobenzene | 24.0 | 0.50 | ug/l | 25.0 | ND | 96 | 75-120 | | |
| Bromochloromethane | 20.5 | 0.50 | ug/l | 25.0 | ND | 82 | 75-130 | | |
| Bromodichloromethane | 21.9 | 0.50 | ug/l | 25.0 | ND | 88 | 75-125 | | |
| Bromoform | 22.2 | 1.0 | ug/l | 25.0 | ND | 89 | 65-125 | | |
| Bromomethane | 22.1 | 1.0 | ug/l | 25.0 | ND | 88 | 45-150 | | |
| 2-Butanone (MEK) | 18.9 | 2.5 | ug/l | 25.0 | ND | 75 | 15-150 | | |
| n-Butylbenzene | 28.1 | 0.50 | ug/l | 25.0 | ND | 113 | 70-130 | | |
| sec-Butylbenzene | 27.4 | 0.50 | ug/l | 25.0 | ND | 110 | 70-125 | | |
| tert-Butylbenzene | 26.2 | 0.50 | ug/l | 25.0 | ND | 105 | 70-125 | | |
| Carbon disulfide | 27.8 | 0.50 | ug/l | 25.0 | ND | 111 | 65-145 | | |
| Carbon tetrachloride | 23.1 | 0.50 | ug/l | 25.0 | ND | 92 | 65-135 | | |
| Chlorobenzene | 24.3 | 0.50 | ug/l | 25.0 | ND | 97 | 75-120 | | |
| Chloroethane | 22.7 | 1.0 | ug/l | 25.0 | ND | 91 | 65-140 | | |
| Chloroform | 23.7 | 0.50 | ug/l | 25.0 | 1.19 | 90 | 70-130 | | |
| Chloromethane | 20.6 | 1.0 | ug/l | 25.0 | ND | 83 | 55-145 | | |
| 2-Chlorotoluene | 26.0 | 0.50 | ug/l | 25.0 | ND | 104 | 70-125 | | |
| 4-Chlorotoluene | 26.7 | 0.50 | ug/l | 25.0 | ND | 107 | 70-125 | | |
| Dibromochloromethane | 22.2 | 0.50 | ug/l | 25.0 | ND | 89 | 70-130 | | |
| 1,2-Dibromo-3-chloropropane | 22.5 | 2.5 | ug/l | 25.0 | ND | 90 | 50-150 | | |
| 1,2-Dibromoethane (EDB) | 22.2 | 0.50 | ug/l | 25.0 | ND | 89 | 70-125 | | |
| Dibromomethane | 20.4 | 0.50 | ug/l | 25.0 | ND | 82 | 70-120 | | |
| 1,2-Dichlorobenzene | 23.7 | 0.50 | ug/l | 25.0 | ND | 95 | 75-120 | | |
| 1,3-Dichlorobenzene | 24.6 | 0.50 | ug/l | 25.0 | ND | 98 | 75-120 | | |
| 1,4-Dichlorobenzene | 24.7 | 0.50 | ug/l | 25.0 | ND | 99 | 70-125 | | |
| Dichlorodifluoromethane | 20.3 | 0.50 | ug/l | 25.0 | ND | 81 | 60-150 | | |
| 1,1-Dichloroethane | 25.2 | 0.50 | ug/l | 25.0 | 1.93 | 93 | 70-130 | | |
| 1,2-Dichloroethane | 22.8 | 0.50 | ug/l | 25.0 | ND | 91 | 65-140 | | |
| 1,1-Dichloroethene | 26.2 | 0.50 | ug/l | 25.0 | 2.99 | 93 | 70-130 | | |
| cis-1,2-Dichloroethene | 42.2 | 0.50 | ug/l | 25.0 | 21.6 | 82 | 70-125 | | |
| trans-1,2-Dichloroethene | 22.7 | 0.50 | ug/l | 25.0 | ND | 91 | 75-125 | | |
| 1,2-Dichloropropane | 22.9 | 0.50 | ug/l | 25.0 | 0.500 | 89 | 75-125 | | |
| 1,3-Dichloropropane | 23.6 | 0.50 | ug/l | 25.0 | ND | 95 | 70-120 | | |
| 2,2-Dichloropropane | 24.3 | 1.0 | ug/l | 25.0 | ND | 97 | 65-140 | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI1055

Sampled: 09/16/11

Received: 09/16/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | RPD Limits | RPD RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------------------|-----------|------------|---------|-----------|-----------------|
| Batch: 11I0837 Extracted: 09/23/11 | | | | | | | | | | |
| Matrix Spike Analyzed: 09/23/2011 (11I0837-MS1) | | | | | Source: PUI1044-12 | | | | | |
| 1,1-Dichloropropene | 22.5 | 0.50 | ug/l | 25.0 | ND | 90 | 65-130 | | | |
| cis-1,3-Dichloropropene | 21.5 | 0.50 | ug/l | 25.0 | ND | 86 | 75-130 | | | |
| trans-1,3-Dichloropropene | 20.4 | 0.50 | ug/l | 25.0 | ND | 82 | 70-130 | | | |
| Ethylbenzene | 25.0 | 0.50 | ug/l | 25.0 | ND | 100 | 70-125 | | | |
| Hexachlorobutadiene | 24.7 | 1.0 | ug/l | 25.0 | ND | 99 | 40-150 | | | |
| 2-Hexanone | 21.7 | 2.5 | ug/l | 25.0 | ND | 87 | 20-150 | | | |
| Iodomethane | 26.8 | 2.5 | ug/l | 25.0 | ND | 107 | 60-150 | | | |
| Isopropylbenzene | 28.4 | 0.50 | ug/l | 25.0 | ND | 114 | 75-130 | | | |
| p-Isopropyltoluene | 27.4 | 0.50 | ug/l | 25.0 | ND | 110 | 70-130 | | | |
| Methylene Chloride | 21.0 | 1.0 | ug/l | 25.0 | ND | 84 | 65-130 | | | |
| 4-Methyl-2-pentanone (MIBK) | 21.4 | 2.5 | ug/l | 25.0 | ND | 85 | 55-135 | | | |
| Methyl-tert-butyl Ether (MTBE) | 20.3 | 0.50 | ug/l | 25.0 | ND | 81 | 65-140 | | | |
| Naphthalene | 23.8 | 2.5 | ug/l | 25.0 | ND | 95 | 40-150 | | | |
| n-Propylbenzene | 27.8 | 0.50 | ug/l | 25.0 | ND | 111 | 70-130 | | | |
| Styrene | 1.15 | 0.50 | ug/l | 25.0 | ND | 5 | 55-135 | | | M2 |
| 1,1,1,2-Tetrachloroethane | 22.7 | 0.50 | ug/l | 25.0 | ND | 91 | 70-125 | | | |
| 1,1,2,2-Tetrachloroethane | 24.0 | 0.50 | ug/l | 25.0 | ND | 96 | 70-125 | | | |
| Tetrachloroethene | 28.8 | 0.50 | ug/l | 25.0 | 3.88 | 100 | 65-130 | | | |
| Toluene | 22.2 | 0.50 | ug/l | 25.0 | ND | 89 | 70-125 | | | |
| 1,2,3-Trichlorobenzene | 23.6 | 1.0 | ug/l | 25.0 | ND | 94 | 50-150 | | | |
| 1,2,4-Trichlorobenzene | 23.4 | 1.0 | ug/l | 25.0 | ND | 94 | 50-150 | | | |
| 1,1,1-Trichloroethane | 23.5 | 0.50 | ug/l | 25.0 | ND | 94 | 70-130 | | | |
| 1,1,2-Trichloroethane | 20.0 | 0.50 | ug/l | 25.0 | ND | 80 | 75-125 | | | |
| Trichloroethene | 131 | 0.50 | ug/l | 25.0 | 116 | 62 | 70-125 | | | M3 |
| Trichlorofluoromethane | 23.5 | 0.50 | ug/l | 25.0 | 0.190 | 93 | 65-150 | | | |
| 1,2,3-Trichloropropane | 22.9 | 1.0 | ug/l | 25.0 | ND | 92 | 70-130 | | | |
| 1,2,4-Trimethylbenzene | 25.6 | 0.50 | ug/l | 25.0 | ND | 102 | 70-125 | | | |
| 1,3,5-Trimethylbenzene | 26.8 | 0.50 | ug/l | 25.0 | ND | 107 | 75-130 | | | |
| Vinyl Acetate | 6.82 | 1.0 | ug/l | 25.0 | ND | 27 | 40-150 | | | M2 |
| Vinyl chloride | 21.2 | 0.50 | ug/l | 25.0 | ND | 85 | 60-140 | | | |
| Xylenes, Total | 45.4 | 1.5 | ug/l | 50.0 | ND | 91 | 75-120 | | | |
| Freon 113 | 24.0 | 2.0 | ug/l | 25.0 | 0.640 | 94 | 65-140 | | | |
| Surrogate: Dibromofluoromethane | 24.8 | | ug/l | 25.0 | | 99 | 80-130 | | | |
| Surrogate: Toluene-d8 | 24.2 | | ug/l | 25.0 | | 97 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 24.0 | | ug/l | 25.0 | | 96 | 80-125 | | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI1055

Sampled: 09/16/11
Received: 09/16/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-------|-------------|---------------------------|-----------|-------------|------|-----------|-----------------|
| Batch: 1110837 Extracted: 09/23/11 | | | | | | | | | | |
| Matrix Spike Dup Analyzed: 09/23/2011 (1110837-MSD1) | | | | | Source: PUI1044-12 | | | | | |
| Acetone | 12.8 | 10 | ug/l | 25.0 | ND | 51 | 10-150 | 0.08 | 35 | |
| Benzene | 21.8 | 0.50 | ug/l | 25.0 | ND | 87 | 70-125 | 5 | 25 | |
| Bromobenzene | 22.7 | 0.50 | ug/l | 25.0 | ND | 91 | 75-120 | 6 | 20 | |
| Bromochloromethane | 20.0 | 0.50 | ug/l | 25.0 | ND | 80 | 75-130 | 2 | 20 | |
| Bromodichloromethane | 20.8 | 0.50 | ug/l | 25.0 | ND | 83 | 75-125 | 5 | 20 | |
| Bromoform | 21.7 | 1.0 | ug/l | 25.0 | ND | 87 | 65-125 | 3 | 25 | |
| Bromomethane | 21.1 | 1.0 | ug/l | 25.0 | ND | 84 | 45-150 | 5 | 35 | |
| 2-Butanone (MEK) | 18.2 | 2.5 | ug/l | 25.0 | ND | 73 | 15-150 | 3 | 30 | |
| n-Butylbenzene | 26.7 | 0.50 | ug/l | 25.0 | ND | 107 | 70-130 | 5 | 30 | |
| sec-Butylbenzene | 26.7 | 0.50 | ug/l | 25.0 | ND | 107 | 70-125 | 3 | 30 | |
| tert-Butylbenzene | 24.8 | 0.50 | ug/l | 25.0 | ND | 99 | 70-125 | 5 | 25 | |
| Carbon disulfide | 26.3 | 0.50 | ug/l | 25.0 | ND | 105 | 65-145 | 6 | 25 | |
| Carbon tetrachloride | 22.2 | 0.50 | ug/l | 25.0 | ND | 89 | 65-135 | 4 | 25 | |
| Chlorobenzene | 22.8 | 0.50 | ug/l | 25.0 | ND | 91 | 75-120 | 6 | 20 | |
| Chloroethane | 22.6 | 1.0 | ug/l | 25.0 | ND | 90 | 65-140 | 0.5 | 25 | |
| Chloroform | 22.9 | 0.50 | ug/l | 25.0 | 1.19 | 87 | 70-130 | 3 | 20 | |
| Chloromethane | 20.4 | 1.0 | ug/l | 25.0 | ND | 82 | 55-145 | 1 | 35 | |
| 2-Chlorotoluene | 24.5 | 0.50 | ug/l | 25.0 | ND | 98 | 70-125 | 6 | 25 | |
| 4-Chlorotoluene | 25.1 | 0.50 | ug/l | 25.0 | ND | 101 | 70-125 | 6 | 25 | |
| Dibromochloromethane | 21.6 | 0.50 | ug/l | 25.0 | ND | 86 | 70-130 | 3 | 20 | |
| 1,2-Dibromo-3-chloropropane | 21.3 | 2.5 | ug/l | 25.0 | ND | 85 | 50-150 | 5 | 30 | |
| 1,2-Dibromoethane (EDB) | 21.2 | 0.50 | ug/l | 25.0 | ND | 85 | 70-125 | 4 | 20 | |
| Dibromomethane | 19.7 | 0.50 | ug/l | 25.0 | ND | 79 | 70-120 | 4 | 20 | |
| 1,2-Dichlorobenzene | 22.6 | 0.50 | ug/l | 25.0 | ND | 90 | 75-120 | 5 | 20 | |
| 1,3-Dichlorobenzene | 23.7 | 0.50 | ug/l | 25.0 | ND | 95 | 75-120 | 4 | 25 | |
| 1,4-Dichlorobenzene | 23.4 | 0.50 | ug/l | 25.0 | ND | 94 | 70-125 | 6 | 20 | |
| Dichlorodifluoromethane | 19.6 | 0.50 | ug/l | 25.0 | ND | 78 | 60-150 | 4 | 30 | |
| 1,1-Dichloroethane | 24.2 | 0.50 | ug/l | 25.0 | 1.93 | 89 | 70-130 | 4 | 20 | |
| 1,2-Dichloroethane | 22.2 | 0.50 | ug/l | 25.0 | ND | 89 | 65-140 | 3 | 20 | |
| 1,1-Dichloroethene | 25.0 | 0.50 | ug/l | 25.0 | 2.99 | 88 | 70-130 | 5 | 25 | |
| cis-1,2-Dichloroethene | 40.9 | 0.50 | ug/l | 25.0 | 21.6 | 77 | 70-125 | 3 | 20 | |
| trans-1,2-Dichloroethene | 21.8 | 0.50 | ug/l | 25.0 | ND | 87 | 75-125 | 4 | 25 | |
| 1,2-Dichloropropane | 22.0 | 0.50 | ug/l | 25.0 | 0.500 | 86 | 75-125 | 4 | 20 | |
| 1,3-Dichloropropane | 22.6 | 0.50 | ug/l | 25.0 | ND | 90 | 70-120 | 5 | 20 | |
| 2,2-Dichloropropane | 23.3 | 1.0 | ug/l | 25.0 | ND | 93 | 65-140 | 4 | 25 | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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PUI1055 <Page 15 of 19>

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI1055

Sampled: 09/16/11
Received: 09/16/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-------|-------------|---------------------------|------|-------------|-----|-----------|-----------------|
| Batch: 1110837 Extracted: 09/23/11 | | | | | | | | | | |
| Matrix Spike Dup Analyzed: 09/23/2011 (1110837-MSD1) | | | | | Source: PUI1044-12 | | | | | |
| 1,1-Dichloropropene | 21.5 | 0.50 | ug/l | 25.0 | ND | 86 | 65-130 | 4 | 25 | |
| cis-1,3-Dichloropropene | 20.4 | 0.50 | ug/l | 25.0 | ND | 82 | 75-130 | 5 | 20 | |
| trans-1,3-Dichloropropene | 19.9 | 0.50 | ug/l | 25.0 | ND | 80 | 70-130 | 2 | 20 | |
| Ethylbenzene | 23.5 | 0.50 | ug/l | 25.0 | ND | 94 | 70-125 | 6 | 25 | |
| Hexachlorobutadiene | 23.1 | 1.0 | ug/l | 25.0 | ND | 92 | 40-150 | 7 | 30 | |
| 2-Hexanone | 21.7 | 2.5 | ug/l | 25.0 | ND | 87 | 20-150 | 0.4 | 30 | |
| Iodomethane | 25.2 | 2.5 | ug/l | 25.0 | ND | 101 | 60-150 | 6 | 30 | |
| Isopropylbenzene | 26.9 | 0.50 | ug/l | 25.0 | ND | 107 | 75-130 | 6 | 25 | |
| p-Isopropyltoluene | 26.3 | 0.50 | ug/l | 25.0 | ND | 105 | 70-130 | 4 | 30 | |
| Methylene Chloride | 20.3 | 1.0 | ug/l | 25.0 | ND | 81 | 65-130 | 3 | 20 | |
| 4-Methyl-2-pentanone (MIBK) | 21.0 | 2.5 | ug/l | 25.0 | ND | 84 | 55-135 | 2 | 25 | |
| Methyl-tert-butyl Ether (MTBE) | 20.1 | 0.50 | ug/l | 25.0 | ND | 80 | 65-140 | 1 | 25 | |
| Naphthalene | 23.5 | 2.5 | ug/l | 25.0 | ND | 94 | 40-150 | 1 | 30 | |
| n-Propylbenzene | 26.0 | 0.50 | ug/l | 25.0 | ND | 104 | 70-130 | 7 | 30 | |
| Styrene | 0.180 | 0.50 | ug/l | 25.0 | ND | 1 | 55-135 | 146 | 35 | M2, NI |
| 1,1,1,2-Tetrachloroethane | 21.6 | 0.50 | ug/l | 25.0 | ND | 86 | 70-125 | 5 | 20 | |
| 1,1,2,2-Tetrachloroethane | 23.2 | 0.50 | ug/l | 25.0 | ND | 93 | 70-125 | 3 | 25 | |
| Tetrachloroethene | 27.1 | 0.50 | ug/l | 25.0 | 3.88 | 93 | 65-130 | 6 | 25 | |
| Toluene | 21.2 | 0.50 | ug/l | 25.0 | ND | 85 | 70-125 | 4 | 20 | |
| 1,2,3-Trichlorobenzene | 23.1 | 1.0 | ug/l | 25.0 | ND | 92 | 50-150 | 2 | 35 | |
| 1,2,4-Trichlorobenzene | 22.3 | 1.0 | ug/l | 25.0 | ND | 89 | 50-150 | 5 | 25 | |
| 1,1,1-Trichloroethane | 22.6 | 0.50 | ug/l | 25.0 | ND | 90 | 70-130 | 4 | 25 | |
| 1,1,2-Trichloroethane | 19.5 | 0.50 | ug/l | 25.0 | ND | 78 | 75-125 | 3 | 20 | |
| Trichloroethene | 128 | 0.50 | ug/l | 25.0 | 116 | 49 | 70-125 | 2 | 25 | M3 |
| Trichlorofluoromethane | 22.4 | 0.50 | ug/l | 25.0 | 0.190 | 89 | 65-150 | 5 | 25 | |
| 1,2,3-Trichloropropane | 22.4 | 1.0 | ug/l | 25.0 | ND | 90 | 70-130 | 2 | 25 | |
| 1,2,4-Trimethylbenzene | 24.3 | 0.50 | ug/l | 25.0 | ND | 97 | 70-125 | 5 | 30 | |
| 1,3,5-Trimethylbenzene | 25.4 | 0.50 | ug/l | 25.0 | ND | 101 | 75-130 | 5 | 25 | |
| Vinyl Acetate | 3.15 | 1.0 | ug/l | 25.0 | ND | 13 | 40-150 | 74 | 30 | M2, NI |
| Vinyl chloride | 22.1 | 0.50 | ug/l | 25.0 | ND | 88 | 60-140 | 4 | 25 | |
| Xylenes, Total | 42.8 | 1.5 | ug/l | 50.0 | ND | 86 | 75-120 | 6 | 15 | |
| Freon 113 | 22.6 | 2.0 | ug/l | 25.0 | 0.640 | 88 | 65-140 | 6 | 20 | |
| Surrogate: Dibromofluoromethane | 25.1 | | ug/l | 25.0 | | 101 | 80-130 | | | |
| Surrogate: Toluene-d8 | 24.1 | | ug/l | 25.0 | | 97 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 23.7 | | ug/l | 25.0 | | 95 | 80-125 | | | |

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI1055

Sampled: 09/16/11
Received: 09/16/11

METHOD BLANK/QC DATA

1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | Limits RPD | RPD | Limit | Data Qualifiers |
|---|--------|-----------------|-------|-------------|---------------------------|-----------|------------|-----|-------|-----------------|
| Batch: 1110714 Extracted: 09/20/11 | | | | | | | | | | |
| Blank Analyzed: 09/21/2011 (1110714-BLK1) | | | | | | | | | | |
| 1,4-Dioxane | ND | 1.0 | ug/l | | | | | | | |
| Surrogate: 1,4-Dioxane-d8 | 14.7 | | ug/l | 20.0 | | 74 | 38.6-88.3 | | | |
| Surrogate: Nitrobenzene-d5 | 17.6 | | ug/l | 20.0 | | 88 | 59.9-120 | | | |
| LCS Analyzed: 09/21/2011 (1110714-BS1) | | | | | | | | | | |
| 1,4-Dioxane | 20.0 | 1.0 | ug/l | 20.0 | | 100 | 80-120 | | | |
| Surrogate: 1,4-Dioxane-d8 | 15.4 | | ug/l | 20.0 | | 77 | 32-57 | | | S10 |
| Surrogate: Nitrobenzene-d5 | 17.9 | | ug/l | 20.0 | | 89 | 38-125 | | | |
| LCS Dup Analyzed: 09/21/2011 (1110714-BSD1) | | | | | | | | | | |
| 1,4-Dioxane | 20.4 | 1.0 | ug/l | 20.0 | | 102 | 80-120 | 2 | 25 | |
| Surrogate: 1,4-Dioxane-d8 | 14.3 | | ug/l | 20.0 | | 72 | 32-57 | | | S10 |
| Surrogate: Nitrobenzene-d5 | 16.9 | | ug/l | 20.0 | | 84 | 38-125 | | | |
| Matrix Spike Analyzed: 09/21/2011 (1110714-MS1) | | | | | | | | | | |
| | | | | | Source: PUI1134-02 | | | | | |
| 1,4-Dioxane | 24.4 | 1.1 | ug/l | 22.2 | 2.00 | 101 | 70-130 | | | |
| Surrogate: 1,4-Dioxane-d8 | 17.7 | | ug/l | 22.2 | | 79 | 36-81 | | | |
| Surrogate: Nitrobenzene-d5 | 19.6 | | ug/l | 22.2 | | 88 | 59-120 | | | |
| Matrix Spike Dup Analyzed: 09/21/2011 (1110714-MSD1) | | | | | | | | | | |
| | | | | | Source: PUI1134-02 | | | | | |
| 1,4-Dioxane | 25.5 | 1.2 | ug/l | 23.5 | 2.00 | 100 | 70-130 | 5 | 25 | |
| Surrogate: 1,4-Dioxane-d8 | 18.3 | | ug/l | 23.5 | | 78 | 36-81 | | | |
| Surrogate: Nitrobenzene-d5 | 22.0 | | ug/l | 23.5 | | 94 | 59-120 | | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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PUI1055 <Page 17 of 19>

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI1055

Sampled: 09/16/11

Received: 09/16/11

DATA QUALIFIERS AND DEFINITIONS

- M2 Matrix spike recovery was low; the associated blank spike recovery was acceptable.
- M3 The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The associated blank spike recovery was acceptable.
- N1 See case narrative.
- S10 Surrogate recovery was above laboratory and method acceptance limits. See case narrative.
- ND Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
- RPD Relative Percent Difference

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Project Manager

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PUI1055 <Page 18 of 19>

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI1055

Sampled: 09/16/11

Received: 09/16/11

Certification Summary

TestAmerica Phoenix

| Method | Matrix | Nelac | Arizona |
|-----------|--------|-------|---------|
| EPA 8260B | Water | X | X |
| EPA 8270C | Water | | X |

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for TestAmerica may be obtained by contacting the laboratory or visiting our website at www.testamericainc.com

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management

CHAIN OF CUSTODY RECORD

PUF1055
NO: 3046

7272 E. Indian School Road, Suite 100 • Scottsdale, AZ • 85251 • (480) 998-2401 • FAX (480) 998-2106

Page 1 of 1

| PROJECT # | | PROJECT NAME | | # OF CONTAINERS | MATRIX | | | REQUESTED PARAMETERS | | | | | | | | | | | | | | | | | | |
|--------------------------|---------|--------------|-----------|-----------------|-----------------|--------------|-----------|-------------------------------------|---|---|--|---|---|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 0096498.030 | | 003 | | | SOIL | WATER | GAS | VOC (8260B) 14-Dioxane (8270C) | | | | | | | | | | | | | | | | | | |
| SAMPLER: (PRINT NAME) | | | SIGNATURE | | | | | | | | | | | | | | | | | | | | | | | |
| Adam Nagh | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RECEIVING LABORATORY | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Test America, Phoenix AZ | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SAMPLE I.D. | DATE | TIME | COMP | GRAB | SAMPLING METHOD | PRESERVATIVE | ICE (Y/N) | SAMPLING VOLUME | | | | | | | | | | | | | | | | | | |
| EW-13-228-D-091611 | 9/16/11 | 1406 | | X | 406 | HCl | Y | 40ml | 3 | 2 | | X | X | | | | | | | | | | | | | |
| PT-DW-5-5-091611 | 9/16/11 | 1620 | | X | Ball | HCl | Y | 40ml | 3 | 2 | | X | X | | | | | | | | | | | | | |

| RELINQUISHED BY (SIGNATURE) | DATE | TIME | RECEIVED BY | DATE | TIME | FIELD REMARKS |
|-----------------------------|------|------|-------------|------|------|---------------|
| | 9/16 | 1655 | | | | Level III |
| | | | | | | |
| | | | | | | |
| | | | | | | |

| REMARKS ON SAMPLE RECEIPT | ERM REMARKS | SEND REPORT TO: |
|---|-------------|-------------------------|
| <input type="checkbox"/> BOTTLE INTACT <input type="checkbox"/> CUSTODY SEALS <input type="checkbox"/> CHILLED <input type="checkbox"/> PRESERVED <input type="checkbox"/> SEALS INTACT <input type="checkbox"/> SEE REMARKS | | Jason, Altker @ ERM.com |

LABORATORY REPORT

Prepared For: Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project: 0096498.030

Sampled: 09/16/11
Received: 09/16/11
Revised: 11/06/11 10:14

NELAP #01109CA Arizona DHS#AZ0728

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica. The Chain of Custody, 1 page, is included and is an integral part of this report.

This entire report was reviewed and approved for release.

CASE NARRATIVE

LABORATORY ID

PUI1056-01
PUI1056-02
PUI1056-03
PUI1056-04

CLIENT ID

EW-13-168-M-091611
EW-13-268-D-091611
GW-L1-7-091611
GW-EB1-7-091611

MATRIX

Water
Water
Water
Water

SAMPLE RECEIPT: Samples were received intact, at 2°C, on ice and with chain of custody documentation.

HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the TestAmerica Sample Acceptance Policy unless otherwise noted in the report.

PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

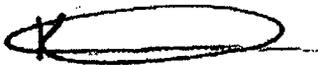
QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.
S10-Surrogate recovery was above acceptance limits.
N1-The RPD exceeded the acceptance limit due to sample matrix effects.

COMMENTS: No significant observations were made.

SUBCONTRACTED: No analyses were subcontracted to an outside laboratory.

ADDITIONAL INFORMATION: Report revised to reflect QAPP limits.

Reviewed By:



TestAmerica Phoenix

Kylie Emily
Project Manager

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030
Report Number: PUI1056

Sampled: 09/16/11
Received: 09/16/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI1056-01 (EW-13-168-M-091611 - Water) | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| Acetone | EPA 8260B | 1110837 | 10 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Benzene | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Bromobenzene | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Bromochloromethane | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Bromodichloromethane | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Bromoform | EPA 8260B | 1110837 | 1.0 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Bromomethane | EPA 8260B | 1110837 | 1.0 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 2-Butanone (MEK) | EPA 8260B | 1110837 | 2.5 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| n-Butylbenzene | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| sec-Butylbenzene | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| tert-Butylbenzene | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Carbon disulfide | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Carbon tetrachloride | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Chlorobenzene | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Chloroethane | EPA 8260B | 1110837 | 1.0 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Chloroform | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Chloromethane | EPA 8260B | 1110837 | 1.0 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 2-Chlorotoluene | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 4-Chlorotoluene | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Dibromochloromethane | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,2-Dibromo-3-chloropropane | EPA 8260B | 1110837 | 2.5 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,2-Dibromoethane (EDB) | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Dibromomethane | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,2-Dichlorobenzene | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,3-Dichlorobenzene | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,4-Dichlorobenzene | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Dichlorodifluoromethane | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,1-Dichloroethane | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,2-Dichloroethane | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,1-Dichloroethene | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| cis-1,2-Dichloroethene | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| trans-1,2-Dichloroethene | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,2-Dichloropropane | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,3-Dichloropropane | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 2,2-Dichloropropane | EPA 8260B | 1110837 | 1.0 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,1-Dichloropropene | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| cis-1,3-Dichloropropene | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| trans-1,3-Dichloropropene | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Ethylbenzene | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Hexachlorobutadiene | EPA 8260B | 1110837 | 1.0 | ND | 1 | 9/23/2011 | 9/23/2011 | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030

Report Number: PUI1056

Sampled: 09/16/11
Received: 09/16/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI1056-01 (EW-13-168-M-091611 - Water) - cont. | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| 2-Hexanone | EPA 8260B | 11I0837 | 2.5 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Iodomethane | EPA 8260B | 11I0837 | 2.5 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Isopropylbenzene | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| p-Isopropyltoluene | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Methylene Chloride | EPA 8260B | 11I0837 | 1.0 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 4-Methyl-2-pentanone (MIBK) | EPA 8260B | 11I0837 | 2.5 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Methyl-tert-butyl Ether (MTBE) | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Naphthalene | EPA 8260B | 11I0837 | 2.5 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| n-Propylbenzene | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Styrene | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,1,1,2-Tetrachloroethane | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,1,2,2-Tetrachloroethane | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Tetrachloroethene | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Toluene | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,2,3-Trichlorobenzene | EPA 8260B | 11I0837 | 1.0 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,2,4-Trichlorobenzene | EPA 8260B | 11I0837 | 1.0 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,1,1-Trichloroethane | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,1,2-Trichloroethane | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Trichloroethene | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Trichlorofluoromethane | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,2,3-Trichloropropane | EPA 8260B | 11I0837 | 1.0 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,2,4-Trimethylbenzene | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,3,5-Trimethylbenzene | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Vinyl Acetate | EPA 8260B | 11I0837 | 1.0 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Vinyl chloride | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Xylenes, Total | EPA 8260B | 11I0837 | 1.5 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Freon 113 | EPA 8260B | 11I0837 | 2.0 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Surrogate: Dibromofluoromethane (80-130%) | | | | | | | | 102 % |
| Surrogate: Toluene-d8 (80-120%) | | | | | | | | 100 % |
| Surrogate: 4-Bromofluorobenzene (80-125%) | | | | | | | | 90 % |

TestAmerica Phoenix

Kylie Emily
Project Manager

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PUI1056 <Page 3 of 23>

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030

Report Number: PUI1056

Sampled: 09/16/11
Received: 09/16/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI1056-02 (EW-13-268-D-091611 - Water) | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| Acetone | EPA 8260B | 1110837 | 10 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Benzene | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Bromobenzene | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Bromochloromethane | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Bromodichloromethane | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Bromoform | EPA 8260B | 1110837 | 1.0 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Bromomethane | EPA 8260B | 1110837 | 1.0 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 2-Butanone (MEK) | EPA 8260B | 1110837 | 2.5 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| n-Butylbenzene | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| sec-Butylbenzene | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| tert-Butylbenzene | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Carbon disulfide | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Carbon tetrachloride | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Chlorobenzene | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Chloroethane | EPA 8260B | 1110837 | 1.0 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Chloroform | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Chloromethane | EPA 8260B | 1110837 | 1.0 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 2-Chlorotoluene | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 4-Chlorotoluene | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Dibromochloromethane | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,2-Dibromo-3-chloropropane | EPA 8260B | 1110837 | 2.5 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,2-Dibromoethane (EDB) | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Dibromomethane | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,2-Dichlorobenzene | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,3-Dichlorobenzene | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,4-Dichlorobenzene | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Dichlorodifluoromethane | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,1-Dichloroethane | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,2-Dichloroethane | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,1-Dichloroethene | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| cis-1,2-Dichloroethene | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| trans-1,2-Dichloroethene | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,2-Dichloropropane | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,3-Dichloropropane | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 2,2-Dichloropropane | EPA 8260B | 1110837 | 1.0 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,1-Dichloropropene | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| cis-1,3-Dichloropropene | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| trans-1,3-Dichloropropene | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Ethylbenzene | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Hexachlorobutadiene | EPA 8260B | 1110837 | 1.0 | ND | 1 | 9/23/2011 | 9/23/2011 | |

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
 7272 E. Indian School Rd., Ste. 100
 Scottsdale, AZ 85251
 Attention: Jason Hilker

Project ID: 0096498.030

Report Number: PUI1056

Sampled: 09/16/11
 Received: 09/16/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI1056-02 (EW-13-268-D-091611 - Water) - cont. | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| 2-Hexanone | EPA 8260B | 1110837 | 2.5 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Iodomethane | EPA 8260B | 1110837 | 2.5 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Isopropylbenzene | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| p-Isopropyltoluene | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Methylene Chloride | EPA 8260B | 1110837 | 1.0 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 4-Methyl-2-pentanone (MIBK) | EPA 8260B | 1110837 | 2.5 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Methyl-tert-butyl Ether (MTBE) | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Naphthalene | EPA 8260B | 1110837 | 2.5 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| n-Propylbenzene | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Styrene | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,1,1,2-Tetrachloroethane | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,1,2,2-Tetrachloroethane | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Tetrachloroethene | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Toluene | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,2,3-Trichlorobenzene | EPA 8260B | 1110837 | 1.0 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,2,4-Trichlorobenzene | EPA 8260B | 1110837 | 1.0 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,1,1-Trichloroethane | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,1,2-Trichloroethane | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Trichloroethene | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Trichlorofluoromethane | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,2,3-Trichloropropane | EPA 8260B | 1110837 | 1.0 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,2,4-Trimethylbenzene | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,3,5-Trimethylbenzene | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Vinyl Acetate | EPA 8260B | 1110837 | 1.0 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Vinyl chloride | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Xylenes, Total | EPA 8260B | 1110837 | 1.5 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Freon 113 | EPA 8260B | 1110837 | 2.0 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Surrogate: Dibromofluoromethane (80-130%) | | | | | | | | 102 % |
| Surrogate: Toluene-d8 (80-120%) | | | | | | | | 100 % |
| Surrogate: 4-Bromofluorobenzene (80-125%) | | | | | | | | 90 % |

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Kylie Emily
 Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030

Report Number: PUI1056

Sampled: 09/16/11
Received: 09/16/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI1056-03 (GW-L1-7-091611 - Water) | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| Acetone | EPA 8260B | 1110837 | 10 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Benzene | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Bromobenzene | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Bromochloromethane | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Bromodichloromethane | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Bromoform | EPA 8260B | 1110837 | 1.0 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Bromomethane | EPA 8260B | 1110837 | 1.0 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 2-Butanone (MEK) | EPA 8260B | 1110837 | 2.5 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| n-Butylbenzene | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| sec-Butylbenzene | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| tert-Butylbenzene | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Carbon disulfide | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Carbon tetrachloride | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Chlorobenzene | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Chloroethane | EPA 8260B | 1110837 | 1.0 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Chloroform | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Chloromethane | EPA 8260B | 1110837 | 1.0 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 2-Chlorotoluene | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 4-Chlorotoluene | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Dibromochloromethane | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,2-Dibromo-3-chloropropane | EPA 8260B | 1110837 | 2.5 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,2-Dibromoethane (EDB) | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Dibromomethane | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,2-Dichlorobenzene | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,3-Dichlorobenzene | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,4-Dichlorobenzene | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Dichlorodifluoromethane | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,1-Dichloroethane | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,2-Dichloroethane | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,1-Dichloroethene | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| cis-1,2-Dichloroethene | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| trans-1,2-Dichloroethene | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,2-Dichloropropane | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,3-Dichloropropane | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 2,2-Dichloropropane | EPA 8260B | 1110837 | 1.0 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,1-Dichloropropene | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| cis-1,3-Dichloropropene | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| trans-1,3-Dichloropropene | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Ethylbenzene | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Hexachlorobutadiene | EPA 8260B | 1110837 | 1.0 | ND | 1 | 9/23/2011 | 9/23/2011 | |

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030

Report Number: PUI1056

Sampled: 09/16/11
Received: 09/16/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI1056-03 (GW-L1-7-091611 - Water) - cont. | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| 2-Hexanone | EPA 8260B | 11I0837 | 2.5 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Iodomethane | EPA 8260B | 11I0837 | 2.5 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Isopropylbenzene | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| p-Isopropyltoluene | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Methylene Chloride | EPA 8260B | 11I0837 | 1.0 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 4-Methyl-2-pentanone (MIBK) | EPA 8260B | 11I0837 | 2.5 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Methyl-tert-butyl Ether (MTBE) | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Naphthalene | EPA 8260B | 11I0837 | 2.5 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| n-Propylbenzene | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Styrene | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,1,1,2-Tetrachloroethane | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,1,2,2-Tetrachloroethane | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Tetrachloroethene | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Toluene | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,2,3-Trichlorobenzene | EPA 8260B | 11I0837 | 1.0 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,2,4-Trichlorobenzene | EPA 8260B | 11I0837 | 1.0 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,1,1-Trichloroethane | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,1,2-Trichloroethane | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Trichloroethene | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Trichlorofluoromethane | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,2,3-Trichloropropane | EPA 8260B | 11I0837 | 1.0 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,2,4-Trimethylbenzene | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,3,5-Trimethylbenzene | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Vinyl Acetate | EPA 8260B | 11I0837 | 1.0 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Vinyl chloride | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Xylenes, Total | EPA 8260B | 11I0837 | 1.5 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Freon 113 | EPA 8260B | 11I0837 | 2.0 | ND | 1 | 9/23/2011 | 9/23/2011 | |

Surrogate: Dibromofluoromethane (80-130%)

99 %

Surrogate: Toluene-d8 (80-120%)

99 %

Surrogate: 4-Bromofluorobenzene (80-125%)

90 %

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030

Report Number: PUI1056

Sampled: 09/16/11
Received: 09/16/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI1056-04 (GW-EB1-7-091611 - Water) | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| Acetone | EPA 8260B | 11I0837 | 10 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Benzene | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Bromobenzene | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Bromochloromethane | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Bromodichloromethane | EPA 8260B | 11I0837 | 0.50 | 1.8 | 1 | 9/23/2011 | 9/23/2011 | |
| Bromoform | EPA 8260B | 11I0837 | 1.0 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Bromomethane | EPA 8260B | 11I0837 | 1.0 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 2-Butanone (MEK) | EPA 8260B | 11I0837 | 2.5 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| n-Butylbenzene | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| sec-Butylbenzene | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| tert-Butylbenzene | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Carbon disulfide | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Carbon tetrachloride | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Chlorobenzene | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Chloroethane | EPA 8260B | 11I0837 | 1.0 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Chloroform | EPA 8260B | 11I0837 | 0.50 | 6.5 | 1 | 9/23/2011 | 9/23/2011 | |
| Chloromethane | EPA 8260B | 11I0837 | 1.0 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 2-Chlorotoluene | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 4-Chlorotoluene | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Dibromochloromethane | EPA 8260B | 11I0837 | 0.50 | 0.87 | 1 | 9/23/2011 | 9/23/2011 | |
| 1,2-Dibromo-3-chloropropane | EPA 8260B | 11I0837 | 2.5 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,2-Dibromoethane (EDB) | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Dibromomethane | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,2-Dichlorobenzene | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,3-Dichlorobenzene | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,4-Dichlorobenzene | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Dichlorodifluoromethane | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,1-Dichloroethane | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,2-Dichloroethane | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,1-Dichloroethene | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| cis-1,2-Dichloroethene | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| trans-1,2-Dichloroethene | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,2-Dichloropropane | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,3-Dichloropropane | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 2,2-Dichloropropane | EPA 8260B | 11I0837 | 1.0 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,1-Dichloropropene | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| cis-1,3-Dichloropropene | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| trans-1,3-Dichloropropene | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Ethylbenzene | EPA 8260B | 11I0837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Hexachlorobutadiene | EPA 8260B | 11I0837 | 1.0 | ND | 1 | 9/23/2011 | 9/23/2011 | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030

Report Number: PUI1056

Sampled: 09/16/11
Received: 09/16/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI1056-04 (GW-EB1-7-091611 - Water) - cont. | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| 2-Hexanone | EPA 8260B | 1110837 | 2.5 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Iodomethane | EPA 8260B | 1110837 | 2.5 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Isopropylbenzene | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| p-Isopropyltoluene | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Methylene Chloride | EPA 8260B | 1110837 | 1.0 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 4-Methyl-2-pentanone (MIBK) | EPA 8260B | 1110837 | 2.5 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Methyl-tert-butyl Ether (MTBE) | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Naphthalene | EPA 8260B | 1110837 | 2.5 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| n-Propylbenzene | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Styrene | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,1,1,2-Tetrachloroethane | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,1,2,2-Tetrachloroethane | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Tetrachloroethene | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Toluene | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,2,3-Trichlorobenzene | EPA 8260B | 1110837 | 1.0 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,2,4-Trichlorobenzene | EPA 8260B | 1110837 | 1.0 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,1,1-Trichloroethane | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,1,2-Trichloroethane | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Trichloroethene | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Trichlorofluoromethane | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,2,3-Trichloropropane | EPA 8260B | 1110837 | 1.0 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,2,4-Trimethylbenzene | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| 1,3,5-Trimethylbenzene | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Vinyl Acetate | EPA 8260B | 1110837 | 1.0 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Vinyl chloride | EPA 8260B | 1110837 | 0.50 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Xylenes, Total | EPA 8260B | 1110837 | 1.5 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Freon 113 | EPA 8260B | 1110837 | 2.0 | ND | 1 | 9/23/2011 | 9/23/2011 | |
| Surrogate: Dibromofluoromethane (80-130%) | | | | | | | | 104 % |
| Surrogate: Toluene-d8 (80-120%) | | | | | | | | 99 % |
| Surrogate: 4-Bromofluorobenzene (80-125%) | | | | | | | | 89 % |

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Kylie Emily
Project Manager

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PUI1056 <Page 9 of 23>

Environmental Resources Management Inc.-West
 7272 E. Indian School Rd., Ste. 100
 Scottsdale, AZ 85251
 Attention: Jason Hilker

Project ID: 0096498.030

Report Number: PUI1056

Sampled: 09/16/11
 Received: 09/16/11

1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI1056-01 (EW-13-168-M-091611 - Water) | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| 1,4-Dioxane | EPA 8270C | 11I0714 | 1.2 | ND | 1.25 | 9/20/2011 | 9/21/2011 | |
| Surrogate: 1,4-Dioxane-d8 (38.6-88.3%) | | | | 64 % | | | | |
| Surrogate: Nitrobenzene-d5 (59.9-120%) | | | | 80 % | | | | |
| Sample ID: PUI1056-02 (EW-13-268-D-091611 - Water) | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| 1,4-Dioxane | EPA 8270C | 11I0714 | 1.2 | ND | 1.25 | 9/20/2011 | 9/21/2011 | |
| Surrogate: 1,4-Dioxane-d8 (38.6-88.3%) | | | | 56 % | | | | |
| Surrogate: Nitrobenzene-d5 (59.9-120%) | | | | 68 % | | | | |
| Sample ID: PUI1056-04 (GW-EB1-7-091611 - Water) | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| 1,4-Dioxane | EPA 8270C | 11I0714 | 1.0 | ND | 1.05 | 9/20/2011 | 9/21/2011 | |
| Surrogate: 1,4-Dioxane-d8 (38.6-88.3%) | | | | 75 % | | | | |
| Surrogate: Nitrobenzene-d5 (59.9-120%) | | | | 90 % | | | | |

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030

Report Number: PUI1056

Sampled: 09/16/11

Received: 09/16/11

METHOD BLANK/OC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | Limit | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------|-----------|-------|-----|-----------|-----------------|
| Batch: 1110837 Extracted: 09/23/11 | | | | | | | | | | |
| Blank Analyzed: 09/23/2011 (1110837-BLK1) | | | | | | | | | | |
| Acetone | ND | 10 | ug/l | | | | | | | |
| Benzene | ND | 0.50 | ug/l | | | | | | | |
| Bromobenzene | ND | 0.50 | ug/l | | | | | | | |
| Bromochloromethane | ND | 0.50 | ug/l | | | | | | | |
| Bromodichloromethane | ND | 0.50 | ug/l | | | | | | | |
| Bromoform | ND | 1.0 | ug/l | | | | | | | |
| Bromomethane | ND | 1.0 | ug/l | | | | | | | |
| 2-Butanone (MEK) | ND | 2.5 | ug/l | | | | | | | |
| n-Butylbenzene | ND | 0.50 | ug/l | | | | | | | |
| sec-Butylbenzene | ND | 0.50 | ug/l | | | | | | | |
| tert-Butylbenzene | ND | 0.50 | ug/l | | | | | | | |
| Carbon disulfide | ND | 0.50 | ug/l | | | | | | | |
| Carbon tetrachloride | ND | 0.50 | ug/l | | | | | | | |
| Chlorobenzene | ND | 0.50 | ug/l | | | | | | | |
| Chloroethane | ND | 1.0 | ug/l | | | | | | | |
| Chloroform | ND | 0.50 | ug/l | | | | | | | |
| Chloromethane | ND | 1.0 | ug/l | | | | | | | |
| 2-Chlorotoluene | ND | 0.50 | ug/l | | | | | | | |
| 4-Chlorotoluene | ND | 0.50 | ug/l | | | | | | | |
| Dibromochloromethane | ND | 0.50 | ug/l | | | | | | | |
| 1,2-Dibromo-3-chloropropane | ND | 2.5 | ug/l | | | | | | | |
| 1,2-Dibromoethane (EDB) | ND | 0.50 | ug/l | | | | | | | |
| Dibromomethane | ND | 0.50 | ug/l | | | | | | | |
| 1,2-Dichlorobenzene | ND | 0.50 | ug/l | | | | | | | |
| 1,3-Dichlorobenzene | ND | 0.50 | ug/l | | | | | | | |
| 1,4-Dichlorobenzene | ND | 0.50 | ug/l | | | | | | | |
| Dichlorodifluoromethane | ND | 0.50 | ug/l | | | | | | | |
| 1,1-Dichloroethane | ND | 0.50 | ug/l | | | | | | | |
| 1,2-Dichloroethane | ND | 0.50 | ug/l | | | | | | | |
| 1,1-Dichloroethene | ND | 0.50 | ug/l | | | | | | | |
| cis-1,2-Dichloroethene | ND | 0.50 | ug/l | | | | | | | |
| trans-1,2-Dichloroethene | ND | 0.50 | ug/l | | | | | | | |
| 1,2-Dichloropropane | ND | 0.50 | ug/l | | | | | | | |
| 1,3-Dichloropropane | ND | 0.50 | ug/l | | | | | | | |
| 2,2-Dichloropropane | ND | 1.0 | ug/l | | | | | | | |

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030
Report Number: PUI1056

Sampled: 09/16/11
Received: 09/16/11

METHOD BLANK/OC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-----------------|
| Batch: 1110837 Extracted: 09/23/11 | | | | | | | | | | |
| Blank Analyzed: 09/23/2011 (1110837-BLK1) | | | | | | | | | | |
| 1,1-Dichloropropene | ND | 0.50 | ug/l | | | | | | | |
| cis-1,3-Dichloropropene | ND | 0.50 | ug/l | | | | | | | |
| trans-1,3-Dichloropropene | ND | 0.50 | ug/l | | | | | | | |
| Ethylbenzene | ND | 0.50 | ug/l | | | | | | | |
| Hexachlorobutadiene | ND | 1.0 | ug/l | | | | | | | |
| 2-Hexanone | ND | 2.5 | ug/l | | | | | | | |
| Iodomethane | ND | 2.5 | ug/l | | | | | | | |
| Isopropylbenzene | ND | 0.50 | ug/l | | | | | | | |
| p-Isopropyltoluene | ND | 0.50 | ug/l | | | | | | | |
| Methylene Chloride | ND | 1.0 | ug/l | | | | | | | |
| 4-Methyl-2-pentanone (MIBK) | ND | 2.5 | ug/l | | | | | | | |
| Methyl-tert-butyl Ether (MTBE) | ND | 0.50 | ug/l | | | | | | | |
| Naphthalene | ND | 2.5 | ug/l | | | | | | | |
| n-Propylbenzene | ND | 0.50 | ug/l | | | | | | | |
| Styrene | ND | 0.50 | ug/l | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 0.50 | ug/l | | | | | | | |
| 1,1,2,2-Tetrachloroethane | ND | 0.50 | ug/l | | | | | | | |
| Tetrachloroethene | ND | 0.50 | ug/l | | | | | | | |
| Toluene | ND | 0.50 | ug/l | | | | | | | |
| 1,2,3-Trichlorobenzene | ND | 1.0 | ug/l | | | | | | | |
| 1,2,4-Trichlorobenzene | ND | 1.0 | ug/l | | | | | | | |
| 1,1,1-Trichloroethane | ND | 0.50 | ug/l | | | | | | | |
| 1,1,2-Trichloroethane | ND | 0.50 | ug/l | | | | | | | |
| Trichloroethene | ND | 0.50 | ug/l | | | | | | | |
| Trichlorofluoromethane | ND | 0.50 | ug/l | | | | | | | |
| 1,2,3-Trichloropropane | ND | 1.0 | ug/l | | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 0.50 | ug/l | | | | | | | |
| 1,3,5-Trimethylbenzene | ND | 0.50 | ug/l | | | | | | | |
| Vinyl Acetate | ND | 1.0 | ug/l | | | | | | | |
| Vinyl chloride | ND | 0.50 | ug/l | | | | | | | |
| Xylenes, Total | ND | 1.5 | ug/l | | | | | | | |
| Freon 113 | ND | 2.0 | ug/l | | | | | | | |
| Surrogate: Dibromofluoromethane | 25.0 | | ug/l | 25.0 | | 100 | 80-130 | | | |
| Surrogate: Toluene-d8 | 24.6 | | ug/l | 25.0 | | 98 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 22.7 | | ug/l | 25.0 | | 91 | 80-125 | | | |

TestAmerica Phoenix

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030
Report Number: PUI1056

Sampled: 09/16/11
Received: 09/16/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-----------------|
| Batch: 1110837 Extracted: 09/23/11 | | | | | | | | | | |
| LCS Analyzed: 09/23/2011 (1110837-BS1) | | | | | | | | | | |
| Acetone | 16.4 | 10 | ug/l | 25.0 | | 66 | 10-150 | | | |
| Benzene | 23.2 | 0.50 | ug/l | 25.0 | | 93 | 80-120 | | | |
| Bromobenzene | 24.3 | 0.50 | ug/l | 25.0 | | 97 | 80-120 | | | |
| Bromochloromethane | 20.4 | 0.50 | ug/l | 25.0 | | 82 | 80-125 | | | |
| Bromodichloromethane | 21.7 | 0.50 | ug/l | 25.0 | | 87 | 80-120 | | | |
| Bromoform | 22.6 | 1.0 | ug/l | 25.0 | | 91 | 75-130 | | | |
| Bromomethane | 21.3 | 1.0 | ug/l | 25.0 | | 85 | 55-150 | | | |
| 2-Butanone (MEK) | 19.4 | 2.5 | ug/l | 25.0 | | 77 | 40-150 | | | |
| n-Butylbenzene | 28.7 | 0.50 | ug/l | 25.0 | | 115 | 80-130 | | | |
| sec-Butylbenzene | 28.6 | 0.50 | ug/l | 25.0 | | 114 | 80-125 | | | |
| tert-Butylbenzene | 26.8 | 0.50 | ug/l | 25.0 | | 107 | 80-120 | | | |
| Carbon disulfide | 26.9 | 0.50 | ug/l | 25.0 | | 107 | 70-140 | | | |
| Carbon tetrachloride | 22.6 | 0.50 | ug/l | 25.0 | | 90 | 75-130 | | | |
| Chlorobenzene | 24.0 | 0.50 | ug/l | 25.0 | | 96 | 80-120 | | | |
| Chloroethane | 22.4 | 1.0 | ug/l | 25.0 | | 90 | 70-130 | | | |
| Chloroform | 22.6 | 0.50 | ug/l | 25.0 | | 90 | 75-120 | | | |
| Chloromethane | 20.5 | 1.0 | ug/l | 25.0 | | 82 | 60-140 | | | |
| 2-Chlorotoluene | 26.6 | 0.50 | ug/l | 25.0 | | 107 | 80-120 | | | |
| 4-Chlorotoluene | 27.1 | 0.50 | ug/l | 25.0 | | 109 | 80-120 | | | |
| Dibromochloromethane | 21.8 | 0.50 | ug/l | 25.0 | | 87 | 80-120 | | | |
| 1,2-Dibromo-3-chloropropane | 22.4 | 2.5 | ug/l | 25.0 | | 90 | 50-150 | | | |
| 1,2-Dibromoethane (EDB) | 21.7 | 0.50 | ug/l | 25.0 | | 87 | 80-120 | | | |
| Dibromomethane | 20.3 | 0.50 | ug/l | 25.0 | | 81 | 75-120 | | | |
| 1,2-Dichlorobenzene | 24.1 | 0.50 | ug/l | 25.0 | | 96 | 80-120 | | | |
| 1,3-Dichlorobenzene | 25.4 | 0.50 | ug/l | 25.0 | | 102 | 80-120 | | | |
| 1,4-Dichlorobenzene | 25.0 | 0.50 | ug/l | 25.0 | | 100 | 80-120 | | | |
| Dichlorodifluoromethane | 19.6 | 0.50 | ug/l | 25.0 | | 78 | 60-150 | | | |
| 1,1-Dichloroethane | 23.4 | 0.50 | ug/l | 25.0 | | 93 | 70-125 | | | |
| 1,2-Dichloroethane | 21.9 | 0.50 | ug/l | 25.0 | | 88 | 75-130 | | | |
| 1,1-Dichloroethene | 23.0 | 0.50 | ug/l | 25.0 | | 92 | 75-125 | | | |
| cis-1,2-Dichloroethene | 21.3 | 0.50 | ug/l | 25.0 | | 85 | 80-120 | | | |
| trans-1,2-Dichloroethene | 22.8 | 0.50 | ug/l | 25.0 | | 91 | 80-120 | | | |
| 1,2-Dichloropropane | 22.6 | 0.50 | ug/l | 25.0 | | 91 | 80-120 | | | |
| 1,3-Dichloropropane | 23.0 | 0.50 | ug/l | 25.0 | | 92 | 80-120 | | | |
| 2,2-Dichloropropane | 23.4 | 1.0 | ug/l | 25.0 | | 94 | 75-130 | | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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PUI1056 <Page 13 of 23>

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030
Report Number: PUI1056

Sampled: 09/16/11
Received: 09/16/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-----------------|
| Batch: 1110837 Extracted: 09/23/11 | | | | | | | | | | |
| LCS Analyzed: 09/23/2011 (1110837-BS1) | | | | | | | | | | |
| 1,1-Dichloropropene | 22.1 | 0.50 | ug/l | 25.0 | | 88 | 75-120 | | | |
| cis-1,3-Dichloropropene | 21.3 | 0.50 | ug/l | 25.0 | | 85 | 80-120 | | | |
| trans-1,3-Dichloropropene | 20.5 | 0.50 | ug/l | 25.0 | | 82 | 80-125 | | | |
| Ethylbenzene | 24.6 | 0.50 | ug/l | 25.0 | | 98 | 80-120 | | | |
| Hexachlorobutadiene | 25.5 | 1.0 | ug/l | 25.0 | | 102 | 40-150 | | | |
| 2-Hexanone | 21.3 | 2.5 | ug/l | 25.0 | | 85 | 20-150 | | | |
| Iodomethane | 25.5 | 2.5 | ug/l | 25.0 | | 102 | 80-130 | | | |
| Isopropylbenzene | 29.2 | 0.50 | ug/l | 25.0 | | 117 | 80-130 | | | |
| p-Isopropyltoluene | 28.2 | 0.50 | ug/l | 25.0 | | 113 | 80-130 | | | |
| Methylene Chloride | 21.2 | 1.0 | ug/l | 25.0 | | 85 | 70-120 | | | |
| 4-Methyl-2-pentanone (MIBK) | 20.8 | 2.5 | ug/l | 25.0 | | 83 | 60-135 | | | |
| Methyl-tert-butyl Ether (MTBE) | 19.5 | 0.50 | ug/l | 25.0 | | 78 | 70-130 | | | |
| Naphthalene | 24.0 | 2.5 | ug/l | 25.0 | | 96 | 40-150 | | | |
| n-Propylbenzene | 28.1 | 0.50 | ug/l | 25.0 | | 112 | 75-130 | | | |
| Styrene | 21.8 | 0.50 | ug/l | 25.0 | | 87 | 80-120 | | | |
| 1,1,1,2-Tetrachloroethane | 22.6 | 0.50 | ug/l | 25.0 | | 90 | 75-125 | | | |
| 1,1,2,2-Tetrachloroethane | 24.0 | 0.50 | ug/l | 25.0 | | 96 | 80-120 | | | |
| Tetrachloroethene | 23.9 | 0.50 | ug/l | 25.0 | | 95 | 70-130 | | | |
| Toluene | 22.5 | 0.50 | ug/l | 25.0 | | 90 | 80-120 | | | |
| 1,2,3-Trichlorobenzene | 24.6 | 1.0 | ug/l | 25.0 | | 98 | 55-150 | | | |
| 1,2,4-Trichlorobenzene | 24.2 | 1.0 | ug/l | 25.0 | | 97 | 50-150 | | | |
| 1,1,1-Trichloroethane | 23.1 | 0.50 | ug/l | 25.0 | | 92 | 75-125 | | | |
| 1,1,2-Trichloroethane | 20.0 | 0.50 | ug/l | 25.0 | | 80 | 80-120 | | | |
| Trichloroethene | 22.8 | 0.50 | ug/l | 25.0 | | 91 | 80-120 | | | |
| Trichlorofluoromethane | 22.4 | 0.50 | ug/l | 25.0 | | 90 | 70-150 | | | |
| 1,2,3-Trichloropropane | 23.1 | 1.0 | ug/l | 25.0 | | 92 | 70-130 | | | |
| 1,2,4-Trimethylbenzene | 26.4 | 0.50 | ug/l | 25.0 | | 105 | 80-120 | | | |
| 1,3,5-Trimethylbenzene | 27.6 | 0.50 | ug/l | 25.0 | | 110 | 80-130 | | | |
| Vinyl Acetate | 22.3 | 1.0 | ug/l | 25.0 | | 89 | 40-150 | | | |
| Vinyl chloride | 20.3 | 0.50 | ug/l | 25.0 | | 81 | 70-130 | | | |
| Xylenes, Total | 45.4 | 1.5 | ug/l | 50.0 | | 91 | 60-140 | | | |
| Freon 113 | 22.7 | 2.0 | ug/l | 25.0 | | 91 | 60-140 | | | |
| Surrogate: Dibromofluoromethane | 24.7 | | ug/l | 25.0 | | 99 | 80-130 | | | |
| Surrogate: Toluene-d8 | 24.3 | | ug/l | 25.0 | | 97 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 23.1 | | ug/l | 25.0 | | 93 | 80-125 | | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030

Report Number: PUI1056

Sampled: 09/16/11
Received: 09/16/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------|-----------|-------------|------|-----------|-----------------|
| Batch: 1110837 Extracted: 09/23/11 | | | | | | | | | | |
| LCS Dup Analyzed: 09/23/2011 (1110837-BSD1) | | | | | | | | | | |
| Acetone | 17.5 | 10 | ug/l | 25.0 | | 70 | 10-150 | 6 | 35 | |
| Benzene | 22.6 | 0.50 | ug/l | 25.0 | | 90 | 80-120 | 2 | 15 | |
| Bromobenzene | 24.3 | 0.50 | ug/l | 25.0 | | 97 | 80-120 | 0.08 | 15 | |
| Bromochloromethane | 20.8 | 0.50 | ug/l | 25.0 | | 83 | 80-125 | 2 | 15 | |
| Bromodichloromethane | 22.2 | 0.50 | ug/l | 25.0 | | 89 | 80-120 | 2 | 15 | |
| Bromoform | 23.7 | 1.0 | ug/l | 25.0 | | 95 | 75-130 | 4 | 20 | |
| Bromomethane | 20.9 | 1.0 | ug/l | 25.0 | | 84 | 55-150 | 2 | 20 | |
| 2-Butanone (MEK) | 20.0 | 2.5 | ug/l | 25.0 | | 80 | 40-150 | 3 | 35 | |
| n-Butylbenzene | 27.2 | 0.50 | ug/l | 25.0 | | 109 | 80-130 | 5 | 15 | |
| sec-Butylbenzene | 26.7 | 0.50 | ug/l | 25.0 | | 107 | 80-125 | 7 | 15 | |
| tert-Butylbenzene | 25.2 | 0.50 | ug/l | 25.0 | | 101 | 80-120 | 6 | 15 | |
| Carbon disulfide | 25.7 | 0.50 | ug/l | 25.0 | | 103 | 70-140 | 5 | 15 | |
| Carbon tetrachloride | 22.5 | 0.50 | ug/l | 25.0 | | 90 | 75-130 | 0.4 | 20 | |
| Chlorobenzene | 23.7 | 0.50 | ug/l | 25.0 | | 95 | 80-120 | 2 | 15 | |
| Chloroethane | 22.3 | 1.0 | ug/l | 25.0 | | 89 | 70-130 | 0.6 | 15 | |
| Chloroform | 22.1 | 0.50 | ug/l | 25.0 | | 88 | 75-120 | 2 | 15 | |
| Chloromethane | 20.9 | 1.0 | ug/l | 25.0 | | 84 | 60-140 | 2 | 20 | |
| 2-Chlorotoluene | 25.6 | 0.50 | ug/l | 25.0 | | 102 | 80-120 | 4 | 15 | |
| 4-Chlorotoluene | 26.0 | 0.50 | ug/l | 25.0 | | 104 | 80-120 | 4 | 15 | |
| Dibromochloromethane | 22.8 | 0.50 | ug/l | 25.0 | | 91 | 80-120 | 5 | 15 | |
| 1,2-Dibromo-3-chloropropane | 24.6 | 2.5 | ug/l | 25.0 | | 98 | 50-150 | 9 | 35 | |
| 1,2-Dibromoethane (EDB) | 23.0 | 0.50 | ug/l | 25.0 | | 92 | 80-120 | 6 | 15 | |
| Dibromomethane | 21.4 | 0.50 | ug/l | 25.0 | | 86 | 75-120 | 5 | 15 | |
| 1,2-Dichlorobenzene | 24.4 | 0.50 | ug/l | 25.0 | | 98 | 80-120 | 1 | 15 | |
| 1,3-Dichlorobenzene | 24.6 | 0.50 | ug/l | 25.0 | | 98 | 80-120 | 3 | 15 | |
| 1,4-Dichlorobenzene | 24.6 | 0.50 | ug/l | 25.0 | | 98 | 80-120 | 2 | 15 | |
| Dichlorodifluoromethane | 19.4 | 0.50 | ug/l | 25.0 | | 77 | 60-150 | 1 | 30 | |
| 1,1-Dichloroethane | 22.5 | 0.50 | ug/l | 25.0 | | 90 | 70-125 | 4 | 15 | |
| 1,2-Dichloroethane | 23.1 | 0.50 | ug/l | 25.0 | | 92 | 75-130 | 5 | 15 | |
| 1,1-Dichloroethene | 22.3 | 0.50 | ug/l | 25.0 | | 89 | 75-125 | 3 | 20 | |
| cis-1,2-Dichloroethene | 20.6 | 0.50 | ug/l | 25.0 | | 82 | 80-120 | 4 | 15 | |
| trans-1,2-Dichloroethene | 21.5 | 0.50 | ug/l | 25.0 | | 86 | 80-120 | 6 | 15 | |
| 1,2-Dichloropropane | 22.7 | 0.50 | ug/l | 25.0 | | 91 | 80-120 | 0.09 | 15 | |
| 1,3-Dichloropropane | 24.3 | 0.50 | ug/l | 25.0 | | 97 | 80-120 | 6 | 15 | |
| 2,2-Dichloropropane | 22.5 | 1.0 | ug/l | 25.0 | | 90 | 75-130 | 4 | 15 | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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PUI1056 <Page 15 of 23>

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030

Report Number: PUI1056

Sampled: 09/16/11
Received: 09/16/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------|-----------|--------|-----|-----------|-----------------|
| Batch: 1110837 Extracted: 09/23/11 | | | | | | | | | | |
| LCS Dup Analyzed: 09/23/2011 (1110837-BSD1) | | | | | | | | | | |
| 1,1-Dichloropropene | 21.9 | 0.50 | ug/l | 25.0 | | 87 | 75-120 | 1 | 15 | |
| cis-1,3-Dichloropropene | 21.7 | 0.50 | ug/l | 25.0 | | 87 | 80-120 | 2 | 15 | |
| trans-1,3-Dichloropropene | 21.6 | 0.50 | ug/l | 25.0 | | 86 | 80-125 | 5 | 15 | |
| Ethylbenzene | 24.0 | 0.50 | ug/l | 25.0 | | 96 | 80-120 | 3 | 15 | |
| Hexachlorobutadiene | 23.3 | 1.0 | ug/l | 25.0 | | 93 | 40-150 | 9 | 35 | |
| 2-Hexanone | 24.4 | 2.5 | ug/l | 25.0 | | 97 | 20-150 | 14 | 35 | |
| Iodomethane | 25.3 | 2.5 | ug/l | 25.0 | | 101 | 80-130 | 0.7 | 10 | |
| Isopropylbenzene | 27.4 | 0.50 | ug/l | 25.0 | | 110 | 80-130 | 6 | 15 | |
| p-Isopropyltoluene | 26.6 | 0.50 | ug/l | 25.0 | | 107 | 80-130 | 6 | 15 | |
| Methylene Chloride | 21.0 | 1.0 | ug/l | 25.0 | | 84 | 70-120 | 0.7 | 15 | |
| 4-Methyl-2-pentanone (MIBK) | 23.9 | 2.5 | ug/l | 25.0 | | 96 | 60-135 | 14 | 25 | |
| Methyl-tert-butyl Ether (MTBE) | 21.4 | 0.50 | ug/l | 25.0 | | 85 | 70-130 | 9 | 20 | |
| Naphthalene | 25.1 | 2.5 | ug/l | 25.0 | | 100 | 40-150 | 5 | 30 | |
| n-Propylbenzene | 26.7 | 0.50 | ug/l | 25.0 | | 107 | 75-130 | 5 | 15 | |
| Styrene | 21.5 | 0.50 | ug/l | 25.0 | | 86 | 80-120 | 2 | 15 | |
| 1,1,1,2-Tetrachloroethane | 22.5 | 0.50 | ug/l | 25.0 | | 90 | 75-125 | 0.6 | 15 | |
| 1,1,1,2,2-Tetrachloroethane | 26.2 | 0.50 | ug/l | 25.0 | | 105 | 80-120 | 8 | 20 | |
| Tetrachloroethene | 23.0 | 0.50 | ug/l | 25.0 | | 92 | 70-130 | 4 | 20 | |
| Toluene | 21.8 | 0.50 | ug/l | 25.0 | | 87 | 80-120 | 3 | 15 | |
| 1,2,3-Trichlorobenzene | 25.3 | 1.0 | ug/l | 25.0 | | 101 | 55-150 | 3 | 35 | |
| 1,2,4-Trichlorobenzene | 24.2 | 1.0 | ug/l | 25.0 | | 97 | 50-150 | 0.4 | 30 | |
| 1,1,1-Trichloroethane | 22.5 | 0.50 | ug/l | 25.0 | | 90 | 75-125 | 2 | 15 | |
| 1,1,2-Trichloroethane | 21.4 | 0.50 | ug/l | 25.0 | | 85 | 80-120 | 6 | 15 | |
| Trichloroethene | 22.1 | 0.50 | ug/l | 25.0 | | 88 | 80-120 | 3 | 15 | |
| Trichlorofluoromethane | 21.4 | 0.50 | ug/l | 25.0 | | 86 | 70-150 | 5 | 25 | |
| 1,2,3-Trichloropropane | 24.8 | 1.0 | ug/l | 25.0 | | 99 | 70-130 | 7 | 20 | |
| 1,2,4-Trimethylbenzene | 25.1 | 0.50 | ug/l | 25.0 | | 101 | 80-120 | 5 | 15 | |
| 1,3,5-Trimethylbenzene | 26.2 | 0.50 | ug/l | 25.0 | | 105 | 80-130 | 5 | 15 | |
| Vinyl Acetate | 24.0 | 1.0 | ug/l | 25.0 | | 96 | 40-150 | 8 | 25 | |
| Vinyl chloride | 20.4 | 0.50 | ug/l | 25.0 | | 82 | 70-130 | 0.7 | 20 | |
| Xylenes, Total | 44.2 | 1.5 | ug/l | 50.0 | | 88 | 60-140 | 3 | 15 | |
| Freon 113 | 22.1 | 2.0 | ug/l | 25.0 | | 89 | 60-140 | 2 | 15 | |
| Surrogate: Dibromofluoromethane | 25.2 | | ug/l | 25.0 | | 101 | 80-130 | | | |
| Surrogate: Toluene-d8 | 24.6 | | ug/l | 25.0 | | 98 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 23.8 | | ug/l | 25.0 | | 95 | 80-125 | | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030

Report Number: PUI1056

Sampled: 09/16/11
Received: 09/16/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------------------|------|-------------|-----|-----------|-----------------|
| Batch: 1110837 Extracted: 09/23/11 | | | | | | | | | | |
| Matrix Spike Analyzed: 09/23/2011 (1110837-MS1) | | | | | Source: PUI1044-12 | | | | | |
| Acetone | 12.8 | 10 | ug/l | 25.0 | ND | 51 | 10-150 | | | |
| Benzene | 22.8 | 0.50 | ug/l | 25.0 | ND | 91 | 70-125 | | | |
| Bromobenzene | 24.0 | 0.50 | ug/l | 25.0 | ND | 96 | 75-120 | | | |
| Bromochloromethane | 20.5 | 0.50 | ug/l | 25.0 | ND | 82 | 75-130 | | | |
| Bromodichloromethane | 21.9 | 0.50 | ug/l | 25.0 | ND | 88 | 75-125 | | | |
| Bromoform | 22.2 | 1.0 | ug/l | 25.0 | ND | 89 | 65-125 | | | |
| Bromomethane | 22.1 | 1.0 | ug/l | 25.0 | ND | 88 | 45-150 | | | |
| 2-Butanone (MEK) | 18.9 | 2.5 | ug/l | 25.0 | ND | 75 | 15-150 | | | |
| n-Butylbenzene | 28.1 | 0.50 | ug/l | 25.0 | ND | 113 | 70-130 | | | |
| sec-Butylbenzene | 27.4 | 0.50 | ug/l | 25.0 | ND | 110 | 70-125 | | | |
| tert-Butylbenzene | 26.2 | 0.50 | ug/l | 25.0 | ND | 105 | 70-125 | | | |
| Carbon disulfide | 27.8 | 0.50 | ug/l | 25.0 | ND | 111 | 65-145 | | | |
| Carbon tetrachloride | 23.1 | 0.50 | ug/l | 25.0 | ND | 92 | 65-135 | | | |
| Chlorobenzene | 24.3 | 0.50 | ug/l | 25.0 | ND | 97 | 75-120 | | | |
| Chloroethane | 22.7 | 1.0 | ug/l | 25.0 | ND | 91 | 65-140 | | | |
| Chloroform | 23.7 | 0.50 | ug/l | 25.0 | 1.19 | 90 | 70-130 | | | |
| Chloromethane | 20.6 | 1.0 | ug/l | 25.0 | ND | 83 | 55-145 | | | |
| 2-Chlorotoluene | 26.0 | 0.50 | ug/l | 25.0 | ND | 104 | 70-125 | | | |
| 4-Chlorotoluene | 26.7 | 0.50 | ug/l | 25.0 | ND | 107 | 70-125 | | | |
| Dibromochloromethane | 22.2 | 0.50 | ug/l | 25.0 | ND | 89 | 70-130 | | | |
| 1,2-Dibromo-3-chloropropane | 22.5 | 2.5 | ug/l | 25.0 | ND | 90 | 50-150 | | | |
| 1,2-Dibromoethane (EDB) | 22.2 | 0.50 | ug/l | 25.0 | ND | 89 | 70-125 | | | |
| Dibromomethane | 20.4 | 0.50 | ug/l | 25.0 | ND | 82 | 70-120 | | | |
| 1,2-Dichlorobenzene | 23.7 | 0.50 | ug/l | 25.0 | ND | 95 | 75-120 | | | |
| 1,3-Dichlorobenzene | 24.6 | 0.50 | ug/l | 25.0 | ND | 98 | 75-120 | | | |
| 1,4-Dichlorobenzene | 24.7 | 0.50 | ug/l | 25.0 | ND | 99 | 70-125 | | | |
| Dichlorodifluoromethane | 20.3 | 0.50 | ug/l | 25.0 | ND | 81 | 60-150 | | | |
| 1,1-Dichloroethane | 25.2 | 0.50 | ug/l | 25.0 | 1.93 | 93 | 70-130 | | | |
| 1,2-Dichloroethane | 22.8 | 0.50 | ug/l | 25.0 | ND | 91 | 65-140 | | | |
| 1,1-Dichloroethene | 26.2 | 0.50 | ug/l | 25.0 | 2.99 | 93 | 70-130 | | | |
| cis-1,2-Dichloroethene | 42.2 | 0.50 | ug/l | 25.0 | 21.6 | 82 | 70-125 | | | |
| trans-1,2-Dichloroethene | 22.7 | 0.50 | ug/l | 25.0 | ND | 91 | 75-125 | | | |
| 1,2-Dichloropropane | 22.9 | 0.50 | ug/l | 25.0 | 0.500 | 89 | 75-125 | | | |
| 1,3-Dichloropropane | 23.6 | 0.50 | ug/l | 25.0 | ND | 95 | 70-120 | | | |
| 2,2-Dichloropropane | 24.3 | 1.0 | ug/l | 25.0 | ND | 97 | 65-140 | | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030
Report Number: PUI1056

Sampled: 09/16/11
Received: 09/16/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | RPD Limits | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------------------|-----------|------------|-----------|-----------------|
| Batch: 1110837 Extracted: 09/23/11 | | | | | | | | | |
| Matrix Spike Analyzed: 09/23/2011 (1110837-MS1) | | | | | Source: PUI1044-12 | | | | |
| 1,1-Dichloropropene | 22.5 | 0.50 | ug/l | 25.0 | ND | 90 | 65-130 | | |
| cis-1,3-Dichloropropene | 21.5 | 0.50 | ug/l | 25.0 | ND | 86 | 75-130 | | |
| trans-1,3-Dichloropropene | 20.4 | 0.50 | ug/l | 25.0 | ND | 82 | 70-130 | | |
| Ethylbenzene | 25.0 | 0.50 | ug/l | 25.0 | ND | 100 | 70-125 | | |
| Hexachlorobutadiene | 24.7 | 1.0 | ug/l | 25.0 | ND | 99 | 40-150 | | |
| 2-Hexanone | 21.7 | 2.5 | ug/l | 25.0 | ND | 87 | 20-150 | | |
| Iodomethane | 26.8 | 2.5 | ug/l | 25.0 | ND | 107 | 60-150 | | |
| Isopropylbenzene | 28.4 | 0.50 | ug/l | 25.0 | ND | 114 | 75-130 | | |
| p-Isopropyltoluene | 27.4 | 0.50 | ug/l | 25.0 | ND | 110 | 70-130 | | |
| Methylene Chloride | 21.0 | 1.0 | ug/l | 25.0 | ND | 84 | 65-130 | | |
| 4-Methyl-2-pentanone (MIBK) | 21.4 | 2.5 | ug/l | 25.0 | ND | 85 | 55-135 | | |
| Methyl-tert-butyl Ether (MTBE) | 20.3 | 0.50 | ug/l | 25.0 | ND | 81 | 65-140 | | |
| Naphthalene | 23.8 | 2.5 | ug/l | 25.0 | ND | 95 | 40-150 | | |
| n-Propylbenzene | 27.8 | 0.50 | ug/l | 25.0 | ND | 111 | 70-130 | | |
| Styrene | 1.15 | 0.50 | ug/l | 25.0 | ND | 5 | 55-135 | | M2 |
| 1,1,1,2-Tetrachloroethane | 22.7 | 0.50 | ug/l | 25.0 | ND | 91 | 70-125 | | |
| 1,1,2,2-Tetrachloroethane | 24.0 | 0.50 | ug/l | 25.0 | ND | 96 | 70-125 | | |
| Tetrachloroethene | 28.8 | 0.50 | ug/l | 25.0 | 3.88 | 100 | 65-130 | | |
| Toluene | 22.2 | 0.50 | ug/l | 25.0 | ND | 89 | 70-125 | | |
| 1,2,3-Trichlorobenzene | 23.6 | 1.0 | ug/l | 25.0 | ND | 94 | 50-150 | | |
| 1,2,4-Trichlorobenzene | 23.4 | 1.0 | ug/l | 25.0 | ND | 94 | 50-150 | | |
| 1,1,1-Trichloroethane | 23.5 | 0.50 | ug/l | 25.0 | ND | 94 | 70-130 | | |
| 1,1,2-Trichloroethane | 20.0 | 0.50 | ug/l | 25.0 | ND | 80 | 75-125 | | |
| Trichloroethene | 131 | 0.50 | ug/l | 25.0 | 116 | 62 | 70-125 | | M3 |
| Trichlorofluoromethane | 23.5 | 0.50 | ug/l | 25.0 | 0.190 | 93 | 65-150 | | |
| 1,2,3-Trichloropropane | 22.9 | 1.0 | ug/l | 25.0 | ND | 92 | 70-130 | | |
| 1,2,4-Trimethylbenzene | 25.6 | 0.50 | ug/l | 25.0 | ND | 102 | 70-125 | | |
| 1,3,5-Trimethylbenzene | 26.8 | 0.50 | ug/l | 25.0 | ND | 107 | 75-130 | | |
| Vinyl Acetate | 6.82 | 1.0 | ug/l | 25.0 | ND | 27 | 40-150 | | M2 |
| Vinyl chloride | 21.2 | 0.50 | ug/l | 25.0 | ND | 85 | 60-140 | | |
| Xylenes, Total | 45.4 | 1.5 | ug/l | 50.0 | ND | 91 | 75-120 | | |
| Freon 113 | 24.0 | 2.0 | ug/l | 25.0 | 0.640 | 94 | 65-140 | | |
| Surrogate: Dibromofluoromethane | 24.8 | | ug/l | 25.0 | | 99 | 80-130 | | |
| Surrogate: Toluene-d8 | 24.2 | | ug/l | 25.0 | | 97 | 80-120 | | |
| Surrogate: 4-Bromofluorobenzene | 24.0 | | ug/l | 25.0 | | 96 | 80-125 | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030

Report Number: PUI1056

Sampled: 09/16/11
Received: 09/16/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-------|-------------|---------------------------|-----------|--------|------|-----------|-----------------|
| Batch: 1110837 Extracted: 09/23/11 | | | | | | | | | | |
| Matrix Spike Dup Analyzed: 09/23/2011 (1110837-MSD1) | | | | | Source: PUI1044-12 | | | | | |
| Acetone | 12.8 | 10 | ug/l | 25.0 | ND | 51 | 10-150 | 0.08 | 35 | |
| Benzene | 21.8 | 0.50 | ug/l | 25.0 | ND | 87 | 70-125 | 5 | 25 | |
| Bromobenzene | 22.7 | 0.50 | ug/l | 25.0 | ND | 91 | 75-120 | 6 | 20 | |
| Bromochloromethane | 20.0 | 0.50 | ug/l | 25.0 | ND | 80 | 75-130 | 2 | 20 | |
| Bromodichloromethane | 20.8 | 0.50 | ug/l | 25.0 | ND | 83 | 75-125 | 5 | 20 | |
| Bromoform | 21.7 | 1.0 | ug/l | 25.0 | ND | 87 | 65-125 | 3 | 25 | |
| Bromomethane | 21.1 | 1.0 | ug/l | 25.0 | ND | 84 | 45-150 | 5 | 35 | |
| 2-Butanone (MEK) | 18.2 | 2.5 | ug/l | 25.0 | ND | 73 | 15-150 | 3 | 30 | |
| n-Butylbenzene | 26.7 | 0.50 | ug/l | 25.0 | ND | 107 | 70-130 | 5 | 30 | |
| sec-Butylbenzene | 26.7 | 0.50 | ug/l | 25.0 | ND | 107 | 70-125 | 3 | 30 | |
| tert-Butylbenzene | 24.8 | 0.50 | ug/l | 25.0 | ND | 99 | 70-125 | 5 | 25 | |
| Carbon disulfide | 26.3 | 0.50 | ug/l | 25.0 | ND | 105 | 65-145 | 6 | 25 | |
| Carbon tetrachloride | 22.2 | 0.50 | ug/l | 25.0 | ND | 89 | 65-135 | 4 | 25 | |
| Chlorobenzene | 22.8 | 0.50 | ug/l | 25.0 | ND | 91 | 75-120 | 6 | 20 | |
| Chloroethane | 22.6 | 1.0 | ug/l | 25.0 | ND | 90 | 65-140 | 0.5 | 25 | |
| Chloroform | 22.9 | 0.50 | ug/l | 25.0 | 1.19 | 87 | 70-130 | 3 | 20 | |
| Chloromethane | 20.4 | 1.0 | ug/l | 25.0 | ND | 82 | 55-145 | 1 | 35 | |
| 2-Chlorotoluene | 24.5 | 0.50 | ug/l | 25.0 | ND | 98 | 70-125 | 6 | 25 | |
| 4-Chlorotoluene | 25.1 | 0.50 | ug/l | 25.0 | ND | 101 | 70-125 | 6 | 25 | |
| Dibromochloromethane | 21.6 | 0.50 | ug/l | 25.0 | ND | 86 | 70-130 | 3 | 20 | |
| 1,2-Dibromo-3-chloropropane | 21.3 | 2.5 | ug/l | 25.0 | ND | 85 | 50-150 | 5 | 30 | |
| 1,2-Dibromoethane (EDB) | 21.2 | 0.50 | ug/l | 25.0 | ND | 85 | 70-125 | 4 | 20 | |
| Dibromomethane | 19.7 | 0.50 | ug/l | 25.0 | ND | 79 | 70-120 | 4 | 20 | |
| 1,2-Dichlorobenzene | 22.6 | 0.50 | ug/l | 25.0 | ND | 90 | 75-120 | 5 | 20 | |
| 1,3-Dichlorobenzene | 23.7 | 0.50 | ug/l | 25.0 | ND | 95 | 75-120 | 4 | 25 | |
| 1,4-Dichlorobenzene | 23.4 | 0.50 | ug/l | 25.0 | ND | 94 | 70-125 | 6 | 20 | |
| Dichlorodifluoromethane | 19.6 | 0.50 | ug/l | 25.0 | ND | 78 | 60-150 | 4 | 30 | |
| 1,1-Dichloroethane | 24.2 | 0.50 | ug/l | 25.0 | 1.93 | 89 | 70-130 | 4 | 20 | |
| 1,2-Dichloroethane | 22.2 | 0.50 | ug/l | 25.0 | ND | 89 | 65-140 | 3 | 20 | |
| 1,1-Dichloroethene | 25.0 | 0.50 | ug/l | 25.0 | 2.99 | 88 | 70-130 | 5 | 25 | |
| cis-1,2-Dichloroethene | 40.9 | 0.50 | ug/l | 25.0 | 21.6 | 77 | 70-125 | 3 | 20 | |
| trans-1,2-Dichloroethene | 21.8 | 0.50 | ug/l | 25.0 | ND | 87 | 75-125 | 4 | 25 | |
| 1,2-Dichloropropane | 22.0 | 0.50 | ug/l | 25.0 | 0.500 | 86 | 75-125 | 4 | 20 | |
| 1,3-Dichloropropane | 22.6 | 0.50 | ug/l | 25.0 | ND | 90 | 70-120 | 5 | 20 | |
| 2,2-Dichloropropane | 23.3 | 1.0 | ug/l | 25.0 | ND | 93 | 65-140 | 4 | 25 | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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PUI1056 <Page 19 of 23>

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030

Report Number: PUI1056

Sampled: 09/16/11
Received: 09/16/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-------|-------------|---------------------------|------|-------------|-----|-----------|-----------------|
| Batch: 1110837 Extracted: 09/23/11 | | | | | | | | | | |
| Matrix Spike Dup Analyzed: 09/23/2011 (1110837-MSD1) | | | | | Source: PUI1044-12 | | | | | |
| 1,1-Dichloropropene | 21.5 | 0.50 | ug/l | 25.0 | ND | 86 | 65-130 | 4 | 25 | |
| cis-1,3-Dichloropropene | 20.4 | 0.50 | ug/l | 25.0 | ND | 82 | 75-130 | 5 | 20 | |
| trans-1,3-Dichloropropene | 19.9 | 0.50 | ug/l | 25.0 | ND | 80 | 70-130 | 2 | 20 | |
| Ethylbenzene | 23.5 | 0.50 | ug/l | 25.0 | ND | 94 | 70-125 | 6 | 25 | |
| Hexachlorobutadiene | 23.1 | 1.0 | ug/l | 25.0 | ND | 92 | 40-150 | 7 | 30 | |
| 2-Hexanone | 21.7 | 2.5 | ug/l | 25.0 | ND | 87 | 20-150 | 0.4 | 30 | |
| Iodomethane | 25.2 | 2.5 | ug/l | 25.0 | ND | 101 | 60-150 | 6 | 30 | |
| Isopropylbenzene | 26.9 | 0.50 | ug/l | 25.0 | ND | 107 | 75-130 | 6 | 25 | |
| p-Isopropyltoluene | 26.3 | 0.50 | ug/l | 25.0 | ND | 105 | 70-130 | 4 | 30 | |
| Methylene Chloride | 20.3 | 1.0 | ug/l | 25.0 | ND | 81 | 65-130 | 3 | 20 | |
| 4-Methyl-2-pentanone (MIBK) | 21.0 | 2.5 | ug/l | 25.0 | ND | 84 | 55-135 | 2 | 25 | |
| Methyl-tert-butyl Ether (MTBE) | 20.1 | 0.50 | ug/l | 25.0 | ND | 80 | 65-140 | 1 | 25 | |
| Naphthalene | 23.5 | 2.5 | ug/l | 25.0 | ND | 94 | 40-150 | 1 | 30 | |
| n-Propylbenzene | 26.0 | 0.50 | ug/l | 25.0 | ND | 104 | 70-130 | 7 | 30 | |
| Styrene | 0.180 | 0.50 | ug/l | 25.0 | ND | 1 | 55-135 | 146 | 35 | M2, NI |
| 1,1,1,2-Tetrachloroethane | 21.6 | 0.50 | ug/l | 25.0 | ND | 86 | 70-125 | 5 | 20 | |
| 1,1,2,2-Tetrachloroethane | 23.2 | 0.50 | ug/l | 25.0 | ND | 93 | 70-125 | 3 | 25 | |
| Tetrachloroethene | 27.1 | 0.50 | ug/l | 25.0 | 3.88 | 93 | 65-130 | 6 | 25 | |
| Toluene | 21.2 | 0.50 | ug/l | 25.0 | ND | 85 | 70-125 | 4 | 20 | |
| 1,2,3-Trichlorobenzene | 23.1 | 1.0 | ug/l | 25.0 | ND | 92 | 50-150 | 2 | 35 | |
| 1,2,4-Trichlorobenzene | 22.3 | 1.0 | ug/l | 25.0 | ND | 89 | 50-150 | 5 | 25 | |
| 1,1,1-Trichloroethane | 22.6 | 0.50 | ug/l | 25.0 | ND | 90 | 70-130 | 4 | 25 | |
| 1,1,2-Trichloroethane | 19.5 | 0.50 | ug/l | 25.0 | ND | 78 | 75-125 | 3 | 20 | |
| Trichloroethene | 128 | 0.50 | ug/l | 25.0 | 116 | 49 | 70-125 | 2 | 25 | M3 |
| Trichlorofluoromethane | 22.4 | 0.50 | ug/l | 25.0 | 0.190 | 89 | 65-150 | 5 | 25 | |
| 1,2,3-Trichloropropane | 22.4 | 1.0 | ug/l | 25.0 | ND | 90 | 70-130 | 2 | 25 | |
| 1,2,4-Trimethylbenzene | 24.3 | 0.50 | ug/l | 25.0 | ND | 97 | 70-125 | 5 | 30 | |
| 1,3,5-Trimethylbenzene | 25.4 | 0.50 | ug/l | 25.0 | ND | 101 | 75-130 | 5 | 25 | |
| Vinyl Acetate | 3.15 | 1.0 | ug/l | 25.0 | ND | 13 | 40-150 | 74 | 30 | M2, NI |
| Vinyl chloride | 22.1 | 0.50 | ug/l | 25.0 | ND | 88 | 60-140 | 4 | 25 | |
| Xylenes, Total | 42.8 | 1.5 | ug/l | 50.0 | ND | 86 | 75-120 | 6 | 15 | |
| Freon 113 | 22.6 | 2.0 | ug/l | 25.0 | 0.640 | 88 | 65-140 | 6 | 20 | |
| Surrogate: Dibromofluoromethane | 25.1 | | ug/l | 25.0 | | 101 | 80-130 | | | |
| Surrogate: Toluene-d8 | 24.1 | | ug/l | 25.0 | | 97 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 23.7 | | ug/l | 25.0 | | 95 | 80-125 | | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
 7272 E. Indian School Rd., Ste. 100
 Scottsdale, AZ 85251
 Attention: Jason Hilker

Project ID: 0096498.030

Report Number: PUI1056

Sampled: 09/16/11
 Received: 09/16/11

METHOD BLANK/OC DATA

1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | Limit | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------|-----------|-----------|-----|-----------|-----------------|
| Batch: 1110714 Extracted: 09/20/11 | | | | | | | | | | |
| Blank Analyzed: 09/21/2011 (1110714-BLK1) | | | | | | | | | | |
| 1,4-Dioxane | ND | 1.0 | ug/l | | | | | | | |
| Surrogate: 1,4-Dioxane-d8 | 14.7 | | ug/l | 20.0 | | 74 | 38.6-88.3 | | | |
| Surrogate: Nitrobenzene-d5 | 17.6 | | ug/l | 20.0 | | 88 | 59.9-120 | | | |
| LCS Analyzed: 09/21/2011 (1110714-BS1) | | | | | | | | | | |
| 1,4-Dioxane | 20.0 | 1.0 | ug/l | 20.0 | | 100 | 80-120 | | | |
| Surrogate: 1,4-Dioxane-d8 | 15.4 | | ug/l | 20.0 | | 77 | 32-57 | | | S10 |
| Surrogate: Nitrobenzene-d5 | 17.9 | | ug/l | 20.0 | | 89 | 38-125 | | | |
| LCS Dup Analyzed: 09/21/2011 (1110714-BSD1) | | | | | | | | | | |
| 1,4-Dioxane | 20.4 | 1.0 | ug/l | 20.0 | | 102 | 80-120 | 2 | 25 | |
| Surrogate: 1,4-Dioxane-d8 | 14.3 | | ug/l | 20.0 | | 72 | 32-57 | | | S10 |
| Surrogate: Nitrobenzene-d5 | 16.9 | | ug/l | 20.0 | | 84 | 38-125 | | | |
| Matrix Spike Analyzed: 09/21/2011 (1110714-MS1) Source: PUI1134-02 | | | | | | | | | | |
| 1,4-Dioxane | 24.4 | 1.1 | ug/l | 22.2 | 2.00 | 101 | 70-130 | | | |
| Surrogate: 1,4-Dioxane-d8 | 17.7 | | ug/l | 22.2 | | 79 | 36-81 | | | |
| Surrogate: Nitrobenzene-d5 | 19.6 | | ug/l | 22.2 | | 88 | 59-120 | | | |
| Matrix Spike Dup Analyzed: 09/21/2011 (1110714-MSD1) Source: PUI1134-02 | | | | | | | | | | |
| 1,4-Dioxane | 25.5 | 1.2 | ug/l | 23.5 | 2.00 | 100 | 70-130 | 5 | 25 | |
| Surrogate: 1,4-Dioxane-d8 | 18.3 | | ug/l | 23.5 | | 78 | 36-81 | | | |
| Surrogate: Nitrobenzene-d5 | 22.0 | | ug/l | 23.5 | | 94 | 59-120 | | | |

TestAmerica Phoenix

Kylie Emily
 Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030

Report Number: PUI1056

Sampled: 09/16/11

Received: 09/16/11

DATA QUALIFIERS AND DEFINITIONS

- M2 Matrix spike recovery was low; the associated blank spike recovery was acceptable.
- M3 The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The associated blank spike recovery was acceptable.
- N1 See case narrative.
- S10 Surrogate recovery was above laboratory and method acceptance limits. See case narrative.
- ND Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
- RPD Relative Percent Difference

TestAmerica Phoenix

Kylie Emily
Project Manager

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PUI1056 <Page 22 of 23>

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.030

Report Number: PUI1056

Sampled: 09/16/11
Received: 09/16/11

Certification Summary

TestAmerica Phoenix

| Method | Matrix | Nelac | Arizona |
|-----------|--------|-------|---------|
| EPA 8260B | Water | X | X |
| EPA 8270C | Water | | X |

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for TestAmerica may be obtained by contacting the laboratory or visiting our website at www.testamericainc.com

TestAmerica Phoenix

Kylie Emily
Project Manager

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CHAIN OF CUSTODY FORM

THE LEADER IN ENVIRONMENTAL TESTING

TAL-0013-560 (10/10)

[] Phoenix - 4625 E. Cotton Center Blvd., Suite 189, Phoenix, AZ 85040 (602) 437-3340 FAX (602) 454-9303
 [] Tucson - 1870 W. Prince Road, Suite 59, Tucson, AZ 85705 (520) 807-3801 FAX (520) 807-3803
 [] Las Vegas - 6000 S Eastern Ave., Suite 5E, Las Vegas, NV 89119 (702) 429-1264

Page 1 of 1

| Client Name/Address: ERM 17272 E Indian School Rd STE 100 Scottsdale AZ 85251 | | Project/PO Number: 0096498.030 | | Analysis Required | | | | | | | | | |
|--|-------------------------|-----------------------------------|--------------|--|-------------------|--|---|-----------------------------|------------|---|--|---------------------------|----------------------|
| Project Manager: Jason Hilker @ erm.com | | Phone Number: 480-945-2401 | | VOC (82605) | M-Dioxins (82700) | | | | | | | | |
| Sampler: Adam Nage | | Fax Number: | | | | | | | | | | | |
| Sample Description | Sample Matrix | Container Type | # of Cont. | Sampling Date | Sampling Time | Preservatives | | | | | | | Special Instructions |
| EW-13-118-S-091611 | WT | 40ml TL | 3 | 9/16/11 | | HCl | X | X | AN | | | | PVI 1056-0 |
| EW-13-168-M-091611 | ↓ | ↓ | ↓ | ↓ | 1500 | ↓ | X | X | | | | | - 01 |
| EW-13-268-D-091611 | ↓ | ↓ | ↓ | ↓ | 1020 | ↓ | X | X | | | | | - 02 |
| GW-LI-7-091611 | WT | 40ml | 1 | - | - | HCl | X | | TRIP BLANK | | | | - 03 |
| GW-EBI-7-091611 | WT | 40ml TL | 3 | 9/16/11 | 1501 | HCl | X | X | | | | | - 04 |
| Relinquished By: <i>[Signature]</i> | Date/Time: 9/16/11 1655 | Received By: <i>[Signature]</i> | Date/Time: | Turnaround Time: (Check) | | same day _____ 72 hours _____ | | 24 hours _____ 5 days _____ | | 48 hours _____ normal <input checked="" type="checkbox"/> | | Sample Integrity: (Check) | |
| Relinquished By: | Date/Time: | Received By: | Date/Time: | intact <input checked="" type="checkbox"/> | | on ice <input checked="" type="checkbox"/> | | 24h | | | | | |

Note: By relinquishing samples to TestAmerica, client agrees to pay for the services requested on this chain of custody form and any additional analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 30 days.

LABORATORY REPORT

Prepared For: Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project: OU3 0096498.030

Sampled: 09/20/11
Received: 09/20/11
Revised: 11/06/11 09:15

NELAP #01109CA Arizona DHS#AZ0728

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica. The Chain of Custody, 1 page, is included and is an integral part of this report.

This entire report was reviewed and approved for release.

CASE NARRATIVE

LABORATORY ID

PUI1211-01

PUI1211-02

CLIENT ID

EW-13-118-S-092011

GW-EB1-9-092011

MATRIX

Water

Water

SAMPLE RECEIPT: Samples were received intact, at 1°C, on ice and with chain of custody documentation.

HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the TestAmerica Sample Acceptance Policy unless otherwise noted in the report.

PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

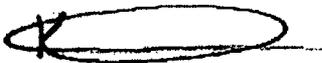
QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers. S10-Surrogate recovery was above acceptance limits.

COMMENTS: No significant observations were made.

SUBCONTRACTED: No analyses were subcontracted to an outside laboratory.

ADDITIONAL INFORMATION: Revised report to reflect QAPP limits.

Reviewed By:



TestAmerica Phoenix

Kylie Emily
Project Manager

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI1211

Sampled: 09/20/11

Received: 09/20/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI1211-01 (EW-13-118-S-092011 - Water) | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| Acetone | EPA 8260B | 1110895 | 10 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| Benzene | EPA 8260B | 1110895 | 0.50 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| Bromobenzene | EPA 8260B | 1110895 | 0.50 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| Bromochloromethane | EPA 8260B | 1110895 | 0.50 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| Bromodichloromethane | EPA 8260B | 1110895 | 0.50 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| Bromoform | EPA 8260B | 1110895 | 1.0 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| Bromomethane | EPA 8260B | 1110895 | 1.0 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| 2-Butanone (MEK) | EPA 8260B | 1110895 | 2.5 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| n-Butylbenzene | EPA 8260B | 1110895 | 0.50 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| sec-Butylbenzene | EPA 8260B | 1110895 | 0.50 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| tert-Butylbenzene | EPA 8260B | 1110895 | 0.50 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| Carbon disulfide | EPA 8260B | 1110895 | 0.50 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| Carbon tetrachloride | EPA 8260B | 1110895 | 0.50 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| Chlorobenzene | EPA 8260B | 1110895 | 0.50 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| Chloroethane | EPA 8260B | 1110895 | 1.0 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| Chloroform | EPA 8260B | 1110895 | 0.50 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| Chloromethane | EPA 8260B | 1110895 | 1.0 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| 2-Chlorotoluene | EPA 8260B | 1110895 | 0.50 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| 4-Chlorotoluene | EPA 8260B | 1110895 | 0.50 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| Dibromochloromethane | EPA 8260B | 1110895 | 0.50 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| 1,2-Dibromo-3-chloropropane | EPA 8260B | 1110895 | 2.5 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| 1,2-Dibromoethane (EDB) | EPA 8260B | 1110895 | 0.50 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| Dibromomethane | EPA 8260B | 1110895 | 0.50 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| 1,2-Dichlorobenzene | EPA 8260B | 1110895 | 0.50 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| 1,3-Dichlorobenzene | EPA 8260B | 1110895 | 0.50 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| 1,4-Dichlorobenzene | EPA 8260B | 1110895 | 0.50 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| Dichlorodifluoromethane | EPA 8260B | 1110895 | 0.50 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| 1,1-Dichloroethane | EPA 8260B | 1110895 | 0.50 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| 1,2-Dichloroethane | EPA 8260B | 1110895 | 0.50 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| 1,1-Dichloroethene | EPA 8260B | 1110895 | 0.50 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| cis-1,2-Dichloroethene | EPA 8260B | 1110895 | 0.50 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| trans-1,2-Dichloroethene | EPA 8260B | 1110895 | 0.50 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| 1,2-Dichloropropane | EPA 8260B | 1110895 | 0.50 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| 1,3-Dichloropropane | EPA 8260B | 1110895 | 0.50 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| 2,2-Dichloropropane | EPA 8260B | 1110895 | 1.0 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| 1,1-Dichloropropene | EPA 8260B | 1110895 | 0.50 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| cis-1,3-Dichloropropene | EPA 8260B | 1110895 | 0.50 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| trans-1,3-Dichloropropene | EPA 8260B | 1110895 | 0.50 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| Ethylbenzene | EPA 8260B | 1110895 | 0.50 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| Hexachlorobutadiene | EPA 8260B | 1110895 | 1.0 | ND | 1 | 9/25/2011 | 9/25/2011 | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
 7272 E. Indian School Rd., Ste. 100
 Scottsdale, AZ 85251
 Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI1211

Sampled: 09/20/11
 Received: 09/20/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI1211-01 (EW-13-118-S-092011 - Water) - cont. | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| 2-Hexanone | EPA 8260B | 1110895 | 2.5 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| Iodomethane | EPA 8260B | 1110895 | 2.5 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| Isopropylbenzene | EPA 8260B | 1110895 | 0.50 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| p-Isopropyltoluene | EPA 8260B | 1110895 | 0.50 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| Methylene Chloride | EPA 8260B | 1110895 | 1.0 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| 4-Methyl-2-pentanone (MIBK) | EPA 8260B | 1110895 | 2.5 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| Methyl-tert-butyl Ether (MTBE) | EPA 8260B | 1110895 | 0.50 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| Naphthalene | EPA 8260B | 1110895 | 2.5 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| n-Propylbenzene | EPA 8260B | 1110895 | 0.50 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| Styrene | EPA 8260B | 1110895 | 0.50 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| 1,1,1,2-Tetrachloroethane | EPA 8260B | 1110895 | 0.50 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| 1,1,2,2-Tetrachloroethane | EPA 8260B | 1110895 | 0.50 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| Tetrachloroethene | EPA 8260B | 1110895 | 0.50 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| Toluene | EPA 8260B | 1110895 | 0.50 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| 1,2,3-Trichlorobenzene | EPA 8260B | 1110895 | 1.0 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| 1,2,4-Trichlorobenzene | EPA 8260B | 1110895 | 1.0 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| 1,1,1-Trichloroethane | EPA 8260B | 1110895 | 0.50 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| 1,1,2-Trichloroethane | EPA 8260B | 1110895 | 0.50 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| Trichloroethene | EPA 8260B | 1110895 | 0.50 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| Trichlorofluoromethane | EPA 8260B | 1110895 | 0.50 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| 1,2,3-Trichloropropane | EPA 8260B | 1110895 | 1.0 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| 1,2,4-Trimethylbenzene | EPA 8260B | 1110895 | 0.50 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| 1,3,5-Trimethylbenzene | EPA 8260B | 1110895 | 0.50 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| Vinyl Acetate | EPA 8260B | 1110895 | 1.0 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| Vinyl chloride | EPA 8260B | 1110895 | 0.50 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| Xylenes, Total | EPA 8260B | 1110895 | 1.5 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| Freon 113 | EPA 8260B | 1110895 | 2.0 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| Surrogate: Dibromofluoromethane (80-130%) | | | | | | | | 96 % |
| Surrogate: Toluene-d8 (80-120%) | | | | | | | | 102 % |
| Surrogate: 4-Bromofluorobenzene (80-125%) | | | | | | | | 103 % |

TestAmerica Phoenix

Kylie Emily
 Project Manager

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PUI1211 <Page 3 of 19>

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI1211

Sampled: 09/20/11
Received: 09/20/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI1211-02 (GW-EB1-9-092011 - Water) | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| Acetone | EPA 8260B | 11I0895 | 10 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| Benzene | EPA 8260B | 11I0895 | 0.50 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| Bromobenzene | EPA 8260B | 11I0895 | 0.50 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| Bromochloromethane | EPA 8260B | 11I0895 | 0.50 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| Bromodichloromethane | EPA 8260B | 11I0895 | 0.50 | 2.9 | 1 | 9/25/2011 | 9/25/2011 | |
| Bromoform | EPA 8260B | 11I0895 | 1.0 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| Bromomethane | EPA 8260B | 11I0895 | 1.0 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| 2-Butanone (MEK) | EPA 8260B | 11I0895 | 2.5 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| n-Butylbenzene | EPA 8260B | 11I0895 | 0.50 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| sec-Butylbenzene | EPA 8260B | 11I0895 | 0.50 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| tert-Butylbenzene | EPA 8260B | 11I0895 | 0.50 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| Carbon disulfide | EPA 8260B | 11I0895 | 0.50 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| Carbon tetrachloride | EPA 8260B | 11I0895 | 0.50 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| Chlorobenzene | EPA 8260B | 11I0895 | 0.50 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| Chloroethane | EPA 8260B | 11I0895 | 1.0 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| Chloroform | EPA 8260B | 11I0895 | 0.50 | 5.2 | 1 | 9/25/2011 | 9/25/2011 | |
| Chloromethane | EPA 8260B | 11I0895 | 1.0 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| 2-Chlorotoluene | EPA 8260B | 11I0895 | 0.50 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| 4-Chlorotoluene | EPA 8260B | 11I0895 | 0.50 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| Dibromochloromethane | EPA 8260B | 11I0895 | 0.50 | 1.4 | 1 | 9/25/2011 | 9/25/2011 | |
| 1,2-Dibromo-3-chloropropane | EPA 8260B | 11I0895 | 2.5 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| 1,2-Dibromoethane (EDB) | EPA 8260B | 11I0895 | 0.50 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| Dibromomethane | EPA 8260B | 11I0895 | 0.50 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| 1,2-Dichlorobenzene | EPA 8260B | 11I0895 | 0.50 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| 1,3-Dichlorobenzene | EPA 8260B | 11I0895 | 0.50 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| 1,4-Dichlorobenzene | EPA 8260B | 11I0895 | 0.50 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| Dichlorodifluoromethane | EPA 8260B | 11I0895 | 0.50 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| 1,1-Dichloroethane | EPA 8260B | 11I0895 | 0.50 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| 1,2-Dichloroethane | EPA 8260B | 11I0895 | 0.50 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| 1,1-Dichloroethene | EPA 8260B | 11I0895 | 0.50 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| cis-1,2-Dichloroethene | EPA 8260B | 11I0895 | 0.50 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| trans-1,2-Dichloroethene | EPA 8260B | 11I0895 | 0.50 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| 1,2-Dichloropropane | EPA 8260B | 11I0895 | 0.50 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| 1,3-Dichloropropane | EPA 8260B | 11I0895 | 0.50 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| 2,2-Dichloropropane | EPA 8260B | 11I0895 | 1.0 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| 1,1-Dichloropropene | EPA 8260B | 11I0895 | 0.50 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| cis-1,3-Dichloropropene | EPA 8260B | 11I0895 | 0.50 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| trans-1,3-Dichloropropene | EPA 8260B | 11I0895 | 0.50 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| Ethylbenzene | EPA 8260B | 11I0895 | 0.50 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| Hexachlorobutadiene | EPA 8260B | 11I0895 | 1.0 | ND | 1 | 9/25/2011 | 9/25/2011 | |

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI1211

Sampled: 09/20/11
Received: 09/20/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|--|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI1211-02 (GW-EB1-9-092011 - Water) - cont. | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| 2-Hexanone | EPA 8260B | 1110895 | 2.5 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| Iodomethane | EPA 8260B | 1110895 | 2.5 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| Isopropylbenzene | EPA 8260B | 1110895 | 0.50 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| p-Isopropyltoluene | EPA 8260B | 1110895 | 0.50 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| Methylene Chloride | EPA 8260B | 1110895 | 1.0 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| 4-Methyl-2-pentanone (MIBK) | EPA 8260B | 1110895 | 2.5 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| Methyl-tert-butyl Ether (MTBE) | EPA 8260B | 1110895 | 0.50 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| Naphthalene | EPA 8260B | 1110895 | 2.5 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| n-Propylbenzene | EPA 8260B | 1110895 | 0.50 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| Styrene | EPA 8260B | 1110895 | 0.50 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| 1,1,1,2-Tetrachloroethane | EPA 8260B | 1110895 | 0.50 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| 1,1,2,2-Tetrachloroethane | EPA 8260B | 1110895 | 0.50 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| Tetrachloroethene | EPA 8260B | 1110895 | 0.50 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| Toluene | EPA 8260B | 1110895 | 0.50 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| 1,2,3-Trichlorobenzene | EPA 8260B | 1110895 | 1.0 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| 1,2,4-Trichlorobenzene | EPA 8260B | 1110895 | 1.0 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| 1,1,1-Trichloroethane | EPA 8260B | 1110895 | 0.50 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| 1,1,2-Trichloroethane | EPA 8260B | 1110895 | 0.50 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| Trichloroethene | EPA 8260B | 1110895 | 0.50 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| Trichlorofluoromethane | EPA 8260B | 1110895 | 0.50 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| 1,2,3-Trichloropropane | EPA 8260B | 1110895 | 1.0 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| 1,2,4-Trimethylbenzene | EPA 8260B | 1110895 | 0.50 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| 1,3,5-Trimethylbenzene | EPA 8260B | 1110895 | 0.50 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| Vinyl Acetate | EPA 8260B | 1110895 | 1.0 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| Vinyl chloride | EPA 8260B | 1110895 | 0.50 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| Xylenes, Total | EPA 8260B | 1110895 | 1.5 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| Freon 113 | EPA 8260B | 1110895 | 2.0 | ND | 1 | 9/25/2011 | 9/25/2011 | |
| Surrogate: Dibromofluoromethane (80-130%) | | | | | | | | 98 % |
| Surrogate: Toluene-d8 (80-120%) | | | | | | | | 102 % |
| Surrogate: 4-Bromofluorobenzene (80-125%) | | | | | | | | 103 % |

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Project Manager

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PUI1211 <Page 5 of 19>

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI1211

Sampled: 09/20/11
Received: 09/20/11

1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

| Analyte | Method | Batch | Reporting Limit | Sample Result | Dilution Factor | Date Extracted | Date Analyzed | Data Qualifiers |
|---|-----------|---------|-----------------|---------------|-----------------|----------------|---------------|-----------------|
| Sample ID: PUI1211-01 (EW-13-118-S-092011 - Water) | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| 1,4-Dioxane | EPA 8270C | 11I0811 | 1.0 | ND | 1 | 9/22/2011 | 9/23/2011 | |
| Surrogate: 1,4-Dioxane-d8 (38.6-88.3%) | | | | 67 % | | | | |
| Surrogate: Nitrobenzene-d5 (59.9-120%) | | | | 79 % | | | | |
| Sample ID: PUI1211-02 (GW-EB1-9-092011 - Water) | | | | | | | | |
| Reporting Units: ug/l | | | | | | | | |
| 1,4-Dioxane | EPA 8270C | 11I0811 | 1.0 | ND | 1 | 9/22/2011 | 9/23/2011 | |
| Surrogate: 1,4-Dioxane-d8 (38.6-88.3%) | | | | 63 % | | | | |
| Surrogate: Nitrobenzene-d5 (59.9-120%) | | | | 75 % | | | | |

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PUI1211 <Page 6 of 19>

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI1211

Sampled: 09/20/11

Received: 09/20/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | Limit RPD | RPD | Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------|-----------|-----------|-----|-------|-----------------|
| Batch: 1110895 Extracted: 09/25/11 | | | | | | | | | | |
| Blank Analyzed: 09/25/2011 (1110895-BLK1) | | | | | | | | | | |
| Acetone | ND | 10 | ug/l | | | | | | | |
| Benzene | ND | 0.50 | ug/l | | | | | | | |
| Bromobenzene | ND | 0.50 | ug/l | | | | | | | |
| Bromochloromethane | ND | 0.50 | ug/l | | | | | | | |
| Bromodichloromethane | ND | 0.50 | ug/l | | | | | | | |
| Bromoform | ND | 1.0 | ug/l | | | | | | | |
| Bromomethane | ND | 1.0 | ug/l | | | | | | | |
| 2-Butanone (MEK) | ND | 2.5 | ug/l | | | | | | | |
| n-Butylbenzene | ND | 0.50 | ug/l | | | | | | | |
| sec-Butylbenzene | ND | 0.50 | ug/l | | | | | | | |
| tert-Butylbenzene | ND | 0.50 | ug/l | | | | | | | |
| Carbon disulfide | ND | 0.50 | ug/l | | | | | | | |
| Carbon tetrachloride | ND | 0.50 | ug/l | | | | | | | |
| Chlorobenzene | ND | 0.50 | ug/l | | | | | | | |
| Chloroethane | ND | 1.0 | ug/l | | | | | | | |
| Chloroform | ND | 0.50 | ug/l | | | | | | | |
| Chloromethane | ND | 1.0 | ug/l | | | | | | | |
| 2-Chlorotoluene | ND | 0.50 | ug/l | | | | | | | |
| 4-Chlorotoluene | ND | 0.50 | ug/l | | | | | | | |
| Dibromochloromethane | ND | 0.50 | ug/l | | | | | | | |
| 1,2-Dibromo-3-chloropropane | ND | 2.5 | ug/l | | | | | | | |
| 1,2-Dibromoethane (EDB) | ND | 0.50 | ug/l | | | | | | | |
| Dibromomethane | ND | 0.50 | ug/l | | | | | | | |
| 1,2-Dichlorobenzene | ND | 0.50 | ug/l | | | | | | | |
| 1,3-Dichlorobenzene | ND | 0.50 | ug/l | | | | | | | |
| 1,4-Dichlorobenzene | ND | 0.50 | ug/l | | | | | | | |
| Dichlorodifluoromethane | ND | 0.50 | ug/l | | | | | | | |
| 1,1-Dichloroethane | ND | 0.50 | ug/l | | | | | | | |
| 1,2-Dichloroethane | ND | 0.50 | ug/l | | | | | | | |
| 1,1-Dichloroethene | ND | 0.50 | ug/l | | | | | | | |
| cis-1,2-Dichloroethene | ND | 0.50 | ug/l | | | | | | | |
| trans-1,2-Dichloroethene | ND | 0.50 | ug/l | | | | | | | |
| 1,2-Dichloropropane | ND | 0.50 | ug/l | | | | | | | |
| 1,3-Dichloropropane | ND | 0.50 | ug/l | | | | | | | |
| 2,2-Dichloropropane | ND | 1.0 | ug/l | | | | | | | |

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Environmental Resources Management Inc.-West
 7272 E. Indian School Rd., Ste. 100
 Scottsdale, AZ 85251
 Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI1211

Sampled: 09/20/11
 Received: 09/20/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | Limit | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------|-----------|--------|-----|-----------|-----------------|
| Batch: 1110895 Extracted: 09/25/11 | | | | | | | | | | |
| Blank Analyzed: 09/25/2011 (1110895-BLK1) | | | | | | | | | | |
| 1,1-Dichloropropene | ND | 0.50 | ug/l | | | | | | | |
| cis-1,3-Dichloropropene | ND | 0.50 | ug/l | | | | | | | |
| trans-1,3-Dichloropropene | ND | 0.50 | ug/l | | | | | | | |
| Ethylbenzene | ND | 0.50 | ug/l | | | | | | | |
| Hexachlorobutadiene | ND | 1.0 | ug/l | | | | | | | |
| 2-Hexanone | ND | 2.5 | ug/l | | | | | | | |
| Iodomethane | ND | 2.5 | ug/l | | | | | | | |
| Isopropylbenzene | ND | 0.50 | ug/l | | | | | | | |
| p-Isopropyltoluene | ND | 0.50 | ug/l | | | | | | | |
| Methylene Chloride | ND | 1.0 | ug/l | | | | | | | |
| 4-Methyl-2-pentanone (MIBK) | ND | 2.5 | ug/l | | | | | | | |
| Methyl-tert-butyl Ether (MTBE) | ND | 0.50 | ug/l | | | | | | | |
| Naphthalene | ND | 2.5 | ug/l | | | | | | | |
| n-Propylbenzene | ND | 0.50 | ug/l | | | | | | | |
| Styrene | ND | 0.50 | ug/l | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 0.50 | ug/l | | | | | | | |
| 1,1,2,2-Tetrachloroethane | ND | 0.50 | ug/l | | | | | | | |
| Tetrachloroethene | ND | 0.50 | ug/l | | | | | | | |
| Toluene | ND | 0.50 | ug/l | | | | | | | |
| 1,2,3-Trichlorobenzene | ND | 1.0 | ug/l | | | | | | | |
| 1,2,4-Trichlorobenzene | ND | 1.0 | ug/l | | | | | | | |
| 1,1,1-Trichloroethane | ND | 0.50 | ug/l | | | | | | | |
| 1,1,2-Trichloroethane | ND | 0.50 | ug/l | | | | | | | |
| Trichloroethene | ND | 0.50 | ug/l | | | | | | | |
| Trichlorofluoromethane | ND | 0.50 | ug/l | | | | | | | |
| 1,2,3-Trichloropropane | ND | 1.0 | ug/l | | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 0.50 | ug/l | | | | | | | |
| 1,3,5-Trimethylbenzene | ND | 0.50 | ug/l | | | | | | | |
| Vinyl Acetate | ND | 1.0 | ug/l | | | | | | | |
| Vinyl chloride | ND | 0.50 | ug/l | | | | | | | |
| Xylenes, Total | ND | 1.5 | ug/l | | | | | | | |
| Freon 113 | ND | 2.0 | ug/l | | | | | | | |
| Surrogate: Dibromofluoromethane | 24.1 | | ug/l | 25.0 | | 96 | 80-130 | | | |
| Surrogate: Toluene-d8 | 25.3 | | ug/l | 25.0 | | 101 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 25.6 | | ug/l | 25.0 | | 102 | 80-125 | | | |

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 Project Manager

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| | | |
|--|---|---|
| Environmental Resources Management Inc.-West 7272 E. Indian School Rd., Ste. 100 Scottsdale, AZ 85251 Attention: Jason Hilker | Project ID: OU3 0096498.030 Report Number: PUI1211 | Sampled: 09/20/11 Received: 09/20/11 |
|--|---|---|

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-----------------|
| Batch: 1110895 Extracted: 09/25/11 | | | | | | | | | | |
| LCS Analyzed: 09/25/2011 (1110895-BS1) | | | | | | | | | | |
| Acetone | 21.6 | 10 | ug/l | 25.0 | | 87 | 10-150 | | | |
| Benzene | 24.0 | 0.50 | ug/l | 25.0 | | 96 | 80-120 | | | |
| Bromobenzene | 23.7 | 0.50 | ug/l | 25.0 | | 95 | 80-120 | | | |
| Bromochloromethane | 22.6 | 0.50 | ug/l | 25.0 | | 90 | 80-125 | | | |
| Bromodichloromethane | 24.3 | 0.50 | ug/l | 25.0 | | 97 | 80-120 | | | |
| Bromoform | 20.9 | 1.0 | ug/l | 25.0 | | 83 | 75-130 | | | |
| Bromomethane | 19.1 | 1.0 | ug/l | 25.0 | | 76 | 55-150 | | | |
| 2-Butanone (MEK) | 23.0 | 2.5 | ug/l | 25.0 | | 92 | 40-150 | | | |
| n-Butylbenzene | 25.1 | 0.50 | ug/l | 25.0 | | 100 | 80-130 | | | |
| sec-Butylbenzene | 24.6 | 0.50 | ug/l | 25.0 | | 98 | 80-125 | | | |
| tert-Butylbenzene | 24.9 | 0.50 | ug/l | 25.0 | | 99 | 80-120 | | | |
| Carbon disulfide | 27.2 | 0.50 | ug/l | 25.0 | | 109 | 70-140 | | | |
| Carbon tetrachloride | 26.8 | 0.50 | ug/l | 25.0 | | 107 | 75-130 | | | |
| Chlorobenzene | 24.1 | 0.50 | ug/l | 25.0 | | 97 | 80-120 | | | |
| Chloroethane | 22.4 | 1.0 | ug/l | 25.0 | | 90 | 70-130 | | | |
| Chloroform | 22.7 | 0.50 | ug/l | 25.0 | | 91 | 75-120 | | | |
| Chloromethane | 19.6 | 1.0 | ug/l | 25.0 | | 78 | 60-140 | | | |
| 2-Chlorotoluene | 24.0 | 0.50 | ug/l | 25.0 | | 96 | 80-120 | | | |
| 4-Chlorotoluene | 24.8 | 0.50 | ug/l | 25.0 | | 99 | 80-120 | | | |
| Dibromochloromethane | 24.5 | 0.50 | ug/l | 25.0 | | 98 | 80-120 | | | |
| 1,2-Dibromo-3-chloropropane | 25.3 | 2.5 | ug/l | 25.0 | | 101 | 50-150 | | | |
| 1,2-Dibromoethane (EDB) | 24.3 | 0.50 | ug/l | 25.0 | | 97 | 80-120 | | | |
| Dibromomethane | 23.6 | 0.50 | ug/l | 25.0 | | 94 | 75-120 | | | |
| 1,2-Dichlorobenzene | 24.7 | 0.50 | ug/l | 25.0 | | 99 | 80-120 | | | |
| 1,3-Dichlorobenzene | 23.8 | 0.50 | ug/l | 25.0 | | 95 | 80-120 | | | |
| 1,4-Dichlorobenzene | 24.1 | 0.50 | ug/l | 25.0 | | 96 | 80-120 | | | |
| Dichlorodifluoromethane | 24.0 | 0.50 | ug/l | 25.0 | | 96 | 60-150 | | | |
| 1,1-Dichloroethane | 23.6 | 0.50 | ug/l | 25.0 | | 94 | 70-125 | | | |
| 1,2-Dichloroethane | 24.0 | 0.50 | ug/l | 25.0 | | 96 | 75-130 | | | |
| 1,1-Dichloroethene | 23.9 | 0.50 | ug/l | 25.0 | | 96 | 75-125 | | | |
| cis-1,2-Dichloroethene | 20.9 | 0.50 | ug/l | 25.0 | | 84 | 80-120 | | | |
| trans-1,2-Dichloroethene | 23.2 | 0.50 | ug/l | 25.0 | | 93 | 80-120 | | | |
| 1,2-Dichloropropane | 23.8 | 0.50 | ug/l | 25.0 | | 95 | 80-120 | | | |
| 1,3-Dichloropropane | 23.6 | 0.50 | ug/l | 25.0 | | 94 | 80-120 | | | |
| 2,2-Dichloropropane | 28.6 | 1.0 | ug/l | 25.0 | | 114 | 75-130 | | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI1211

Sampled: 09/20/11

Received: 09/20/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-------|-------------|---------------|-----------|-------------|---------|-----------|-----------------|
| Batch: 1110895 Extracted: 09/25/11 | | | | | | | | | | |
| LCS Analyzed: 09/25/2011 (1110895-BS1) | | | | | | | | | | |
| 1,1-Dichloropropene | 24.5 | 0.50 | ug/l | 25.0 | | 98 | 75-120 | | | |
| cis-1,3-Dichloropropene | 25.1 | 0.50 | ug/l | 25.0 | | 100 | 80-120 | | | |
| trans-1,3-Dichloropropene | 25.7 | 0.50 | ug/l | 25.0 | | 103 | 80-125 | | | |
| Ethylbenzene | 24.0 | 0.50 | ug/l | 25.0 | | 96 | 80-120 | | | |
| Hexachlorobutadiene | 24.6 | 1.0 | ug/l | 25.0 | | 98 | 40-150 | | | |
| 2-Hexanone | 24.6 | 2.5 | ug/l | 25.0 | | 99 | 20-150 | | | |
| Iodomethane | 27.4 | 2.5 | ug/l | 25.0 | | 110 | 80-130 | | | |
| Isopropylbenzene | 25.9 | 0.50 | ug/l | 25.0 | | 104 | 80-130 | | | |
| p-Isopropyltoluene | 25.0 | 0.50 | ug/l | 25.0 | | 100 | 80-130 | | | |
| Methylene Chloride | 21.4 | 1.0 | ug/l | 25.0 | | 85 | 70-120 | | | |
| 4-Methyl-2-pentanone (MIBK) | 26.0 | 2.5 | ug/l | 25.0 | | 104 | 60-135 | | | |
| Methyl-tert-butyl Ether (MTBE) | 22.0 | 0.50 | ug/l | 25.0 | | 88 | 70-130 | | | |
| Naphthalene | 28.7 | 2.5 | ug/l | 25.0 | | 115 | 40-150 | | | |
| n-Propylbenzene | 25.6 | 0.50 | ug/l | 25.0 | | 102 | 75-130 | | | |
| Styrene | 22.6 | 0.50 | ug/l | 25.0 | | 90 | 80-120 | | | |
| 1,1,1,2-Tetrachloroethane | 24.2 | 0.50 | ug/l | 25.0 | | 97 | 75-125 | | | |
| 1,1,2,2-Tetrachloroethane | 24.6 | 0.50 | ug/l | 25.0 | | 98 | 80-120 | | | |
| Tetrachloroethene | 24.6 | 0.50 | ug/l | 25.0 | | 98 | 70-130 | | | |
| Toluene | 23.4 | 0.50 | ug/l | 25.0 | | 94 | 80-120 | | | |
| 1,2,3-Trichlorobenzene | 27.5 | 1.0 | ug/l | 25.0 | | 110 | 55-150 | | | |
| 1,2,4-Trichlorobenzene | 26.8 | 1.0 | ug/l | 25.0 | | 107 | 50-150 | | | |
| 1,1,1-Trichloroethane | 25.0 | 0.50 | ug/l | 25.0 | | 100 | 75-125 | | | |
| 1,1,2-Trichloroethane | 23.7 | 0.50 | ug/l | 25.0 | | 95 | 80-120 | | | |
| Trichloroethene | 24.0 | 0.50 | ug/l | 25.0 | | 96 | 80-120 | | | |
| Trichlorofluoromethane | 23.6 | 0.50 | ug/l | 25.0 | | 94 | 70-150 | | | |
| 1,2,3-Trichloropropane | 24.5 | 1.0 | ug/l | 25.0 | | 98 | 70-130 | | | |
| 1,2,4-Trimethylbenzene | 24.4 | 0.50 | ug/l | 25.0 | | 98 | 80-120 | | | |
| 1,3,5-Trimethylbenzene | 24.9 | 0.50 | ug/l | 25.0 | | 100 | 80-130 | | | |
| Vinyl Acetate | 29.0 | 1.0 | ug/l | 25.0 | | 116 | 40-150 | | | |
| Vinyl chloride | 23.6 | 0.50 | ug/l | 25.0 | | 95 | 70-130 | | | |
| Xylenes, Total | 44.3 | 1.5 | ug/l | 50.0 | | 89 | 60-140 | | | |
| Freon 113 | 25.9 | 2.0 | ug/l | 25.0 | | 104 | 60-140 | | | |
| Surrogate: Dibromofluoromethane | 25.3 | | ug/l | 25.0 | | 101 | 80-130 | | | |
| Surrogate: Toluene-d8 | 26.1 | | ug/l | 25.0 | | 104 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 25.6 | | ug/l | 25.0 | | 103 | 80-125 | | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI1211

Sampled: 09/20/11
Received: 09/20/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------|-----------|-------------|-----|-----------|-----------------|
| Batch: 1110895 Extracted: 09/25/11 | | | | | | | | | | |
| LCS Dup Analyzed: 09/25/2011 (1110895-bsd1) | | | | | | | | | | |
| Acetone | 19.1 | 10 | ug/l | 25.0 | | 76 | 10-150 | 13 | 35 | |
| Benzene | 23.5 | 0.50 | ug/l | 25.0 | | 94 | 80-120 | 2 | 15 | |
| Bromobenzene | 22.9 | 0.50 | ug/l | 25.0 | | 92 | 80-120 | 3 | 15 | |
| Bromochloromethane | 22.3 | 0.50 | ug/l | 25.0 | | 89 | 80-125 | 1 | 15 | |
| Bromodichloromethane | 23.5 | 0.50 | ug/l | 25.0 | | 94 | 80-120 | 3 | 15 | |
| Bromoform | 20.0 | 1.0 | ug/l | 25.0 | | 80 | 75-130 | 4 | 20 | |
| Bromomethane | 18.6 | 1.0 | ug/l | 25.0 | | 74 | 55-150 | 3 | 20 | |
| 2-Butanone (MEK) | 21.3 | 2.5 | ug/l | 25.0 | | 85 | 40-150 | 8 | 35 | |
| n-Butylbenzene | 24.2 | 0.50 | ug/l | 25.0 | | 97 | 80-130 | 4 | 15 | |
| sec-Butylbenzene | 23.9 | 0.50 | ug/l | 25.0 | | 96 | 80-125 | 3 | 15 | |
| tert-Butylbenzene | 24.0 | 0.50 | ug/l | 25.0 | | 96 | 80-120 | 4 | 15 | |
| Carbon disulfide | 26.6 | 0.50 | ug/l | 25.0 | | 106 | 70-140 | 2 | 15 | |
| Carbon tetrachloride | 26.0 | 0.50 | ug/l | 25.0 | | 104 | 75-130 | 3 | 20 | |
| Chlorobenzene | 23.2 | 0.50 | ug/l | 25.0 | | 93 | 80-120 | 4 | 15 | |
| Chloroethane | 21.6 | 1.0 | ug/l | 25.0 | | 86 | 70-130 | 4 | 15 | |
| Chloroform | 22.6 | 0.50 | ug/l | 25.0 | | 91 | 75-120 | 0.4 | 15 | |
| Chloromethane | 19.2 | 1.0 | ug/l | 25.0 | | 77 | 60-140 | 2 | 20 | |
| 2-Chlorotoluene | 22.9 | 0.50 | ug/l | 25.0 | | 91 | 80-120 | 5 | 15 | |
| 4-Chlorotoluene | 24.0 | 0.50 | ug/l | 25.0 | | 96 | 80-120 | 3 | 15 | |
| Dibromochloromethane | 23.5 | 0.50 | ug/l | 25.0 | | 94 | 80-120 | 4 | 15 | |
| 1,2-Dibromo-3-chloropropane | 23.4 | 2.5 | ug/l | 25.0 | | 93 | 50-150 | 8 | 35 | |
| 1,2-Dibromoethane (EDB) | 23.0 | 0.50 | ug/l | 25.0 | | 92 | 80-120 | 6 | 15 | |
| Dibromomethane | 22.5 | 0.50 | ug/l | 25.0 | | 90 | 75-120 | 5 | 15 | |
| 1,2-Dichlorobenzene | 24.0 | 0.50 | ug/l | 25.0 | | 96 | 80-120 | 3 | 15 | |
| 1,3-Dichlorobenzene | 22.9 | 0.50 | ug/l | 25.0 | | 92 | 80-120 | 4 | 15 | |
| 1,4-Dichlorobenzene | 23.6 | 0.50 | ug/l | 25.0 | | 95 | 80-120 | 2 | 15 | |
| Dichlorodifluoromethane | 23.1 | 0.50 | ug/l | 25.0 | | 92 | 60-150 | 4 | 30 | |
| 1,1-Dichloroethane | 23.5 | 0.50 | ug/l | 25.0 | | 94 | 70-125 | 0.7 | 15 | |
| 1,2-Dichloroethane | 23.4 | 0.50 | ug/l | 25.0 | | 94 | 75-130 | 2 | 15 | |
| 1,1-Dichloroethene | 24.0 | 0.50 | ug/l | 25.0 | | 96 | 75-125 | 0.3 | 20 | |
| cis-1,2-Dichloroethene | 20.6 | 0.50 | ug/l | 25.0 | | 83 | 80-120 | 1 | 15 | |
| trans-1,2-Dichloroethene | 22.9 | 0.50 | ug/l | 25.0 | | 92 | 80-120 | 1 | 15 | |
| 1,2-Dichloropropane | 23.1 | 0.50 | ug/l | 25.0 | | 92 | 80-120 | 3 | 15 | |
| 1,3-Dichloropropane | 22.1 | 0.50 | ug/l | 25.0 | | 88 | 80-120 | 7 | 15 | |
| 2,2-Dichloropropane | 28.9 | 1.0 | ug/l | 25.0 | | 116 | 75-130 | 1 | 15 | |

TestAmerica Phoenix

Kylie Emily
Project Manager

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI1211

Sampled: 09/20/11
Received: 09/20/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | %REC Limits | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------|-----------|-------------|-----|-----------|-----------------|
| Batch: 1110895 Extracted: 09/25/11 | | | | | | | | | | |
| LCS Dup Analyzed: 09/25/2011 (1110895-BSD1) | | | | | | | | | | |
| 1,1-Dichloropropene | 23.9 | 0.50 | ug/l | 25.0 | | 96 | 75-120 | 2 | 15 | |
| cis-1,3-Dichloropropene | 24.2 | 0.50 | ug/l | 25.0 | | 97 | 80-120 | 4 | 15 | |
| trans-1,3-Dichloropropene | 24.3 | 0.50 | ug/l | 25.0 | | 97 | 80-125 | 5 | 15 | |
| Ethylbenzene | 23.0 | 0.50 | ug/l | 25.0 | | 92 | 80-120 | 4 | 15 | |
| Hexachlorobutadiene | 24.5 | 1.0 | ug/l | 25.0 | | 98 | 40-150 | 0.5 | 35 | |
| 2-Hexanone | 22.6 | 2.5 | ug/l | 25.0 | | 90 | 20-150 | 9 | 35 | |
| Iodomethane | 27.2 | 2.5 | ug/l | 25.0 | | 109 | 80-130 | 1 | 10 | |
| Isopropylbenzene | 25.2 | 0.50 | ug/l | 25.0 | | 101 | 80-130 | 3 | 15 | |
| p-Isopropyltoluene | 24.4 | 0.50 | ug/l | 25.0 | | 97 | 80-130 | 2 | 15 | |
| Methylene Chloride | 21.2 | 1.0 | ug/l | 25.0 | | 85 | 70-120 | 0.5 | 15 | |
| 4-Methyl-2-pentanone (MIBK) | 24.0 | 2.5 | ug/l | 25.0 | | 96 | 60-135 | 8 | 25 | |
| Methyl-tert-butyl Ether (MTBE) | 22.0 | 0.50 | ug/l | 25.0 | | 88 | 70-130 | 0.2 | 20 | |
| Naphthalene | 27.9 | 2.5 | ug/l | 25.0 | | 112 | 40-150 | 3 | 30 | |
| n-Propylbenzene | 24.4 | 0.50 | ug/l | 25.0 | | 97 | 75-130 | 5 | 15 | |
| Styrene | 21.7 | 0.50 | ug/l | 25.0 | | 87 | 80-120 | 4 | 15 | |
| 1,1,1,2-Tetrachloroethane | 23.6 | 0.50 | ug/l | 25.0 | | 94 | 75-125 | 3 | 15 | |
| 1,1,2,2-Tetrachloroethane | 23.2 | 0.50 | ug/l | 25.0 | | 93 | 80-120 | 6 | 20 | |
| Tetrachloroethene | 24.2 | 0.50 | ug/l | 25.0 | | 97 | 70-130 | 1 | 20 | |
| Toluene | 22.8 | 0.50 | ug/l | 25.0 | | 91 | 80-120 | 3 | 15 | |
| 1,2,3-Trichlorobenzene | 26.9 | 1.0 | ug/l | 25.0 | | 108 | 55-150 | 2 | 35 | |
| 1,2,4-Trichlorobenzene | 26.0 | 1.0 | ug/l | 25.0 | | 104 | 50-150 | 3 | 30 | |
| 1,1,1-Trichloroethane | 24.5 | 0.50 | ug/l | 25.0 | | 98 | 75-125 | 2 | 15 | |
| 1,1,2-Trichloroethane | 22.2 | 0.50 | ug/l | 25.0 | | 89 | 80-120 | 7 | 15 | |
| Trichloroethene | 23.4 | 0.50 | ug/l | 25.0 | | 94 | 80-120 | 3 | 15 | |
| Trichlorofluoromethane | 22.7 | 0.50 | ug/l | 25.0 | | 91 | 70-150 | 4 | 25 | |
| 1,2,3-Trichloropropane | 23.1 | 1.0 | ug/l | 25.0 | | 92 | 70-130 | 6 | 20 | |
| 1,2,4-Trimethylbenzene | 23.6 | 0.50 | ug/l | 25.0 | | 94 | 80-120 | 3 | 15 | |
| 1,3,5-Trimethylbenzene | 23.8 | 0.50 | ug/l | 25.0 | | 95 | 80-130 | 4 | 15 | |
| Vinyl Acetate | 28.2 | 1.0 | ug/l | 25.0 | | 113 | 40-150 | 3 | 25 | |
| Vinyl chloride | 21.5 | 0.50 | ug/l | 25.0 | | 86 | 70-130 | 10 | 20 | |
| Xylenes, Total | 42.8 | 1.5 | ug/l | 50.0 | | 86 | 60-140 | 3 | 15 | |
| Freon 113 | 26.0 | 2.0 | ug/l | 25.0 | | 104 | 60-140 | 0.4 | 15 | |
| Surrogate: Dibromofluoromethane | 25.5 | | ug/l | 25.0 | | 102 | 80-130 | | | |
| Surrogate: Toluene-d8 | 26.3 | | ug/l | 25.0 | | 105 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 24.9 | | ug/l | 25.0 | | 99 | 80-125 | | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI1211

Sampled: 09/20/11
Received: 09/20/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | Limit | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------------------|-----------|--------|-----|-----------|-----------------|
| Batch: 1110895 Extracted: 09/25/11 | | | | | | | | | | |
| Matrix Spike Analyzed: 09/25/2011 (1110895-MS1) | | | | | Source: PUI1152-04 | | | | | |
| Acetone | 391 | 100 | ug/l | 250 | 222 | 67 | 10-150 | | | |
| Benzene | 285 | 5.0 | ug/l | 250 | 49.7 | 94 | 70-125 | | | |
| Bromobenzene | 243 | 5.0 | ug/l | 250 | ND | 97 | 75-120 | | | |
| Bromochloromethane | 233 | 5.0 | ug/l | 250 | ND | 93 | 75-130 | | | |
| Bromodichloromethane | 217 | 5.0 | ug/l | 250 | ND | 87 | 75-125 | | | |
| Bromoform | 181 | 10 | ug/l | 250 | ND | 73 | 65-125 | | | |
| Bromomethane | 187 | 10 | ug/l | 250 | ND | 75 | 45-150 | | | |
| 2-Butanone (MEK) | 313 | 25 | ug/l | 250 | 103 | 84 | 15-150 | | | |
| n-Butylbenzene | 252 | 5.0 | ug/l | 250 | 3.10 | 99 | 70-130 | | | |
| sec-Butylbenzene | 250 | 5.0 | ug/l | 250 | ND | 100 | 70-125 | | | |
| tert-Butylbenzene | 254 | 5.0 | ug/l | 250 | ND | 102 | 70-125 | | | |
| Carbon disulfide | 182 | 5.0 | ug/l | 250 | ND | 73 | 65-145 | | | |
| Carbon tetrachloride | 254 | 5.0 | ug/l | 250 | ND | 102 | 65-135 | | | |
| Chlorobenzene | 251 | 5.0 | ug/l | 250 | ND | 100 | 75-120 | | | |
| Chloroethane | 222 | 10 | ug/l | 250 | ND | 89 | 65-140 | | | |
| Chloroform | 221 | 5.0 | ug/l | 250 | ND | 88 | 70-130 | | | |
| Chloromethane | 178 | 10 | ug/l | 250 | ND | 71 | 55-145 | | | |
| 2-Chlorotoluene | 236 | 5.0 | ug/l | 250 | 1.90 | 93 | 70-125 | | | |
| 4-Chlorotoluene | 241 | 5.0 | ug/l | 250 | ND | 96 | 70-125 | | | |
| Dibromochloromethane | 230 | 5.0 | ug/l | 250 | ND | 92 | 70-130 | | | |
| 1,2-Dibromo-3-chloropropane | 231 | 25 | ug/l | 250 | ND | 92 | 50-150 | | | |
| 1,2-Dibromoethane (EDB) | 242 | 5.0 | ug/l | 250 | ND | 97 | 70-125 | | | |
| Dibromomethane | 219 | 5.0 | ug/l | 250 | ND | 88 | 70-120 | | | |
| 1,2-Dichlorobenzene | 248 | 5.0 | ug/l | 250 | ND | 99 | 75-120 | | | |
| 1,3-Dichlorobenzene | 249 | 5.0 | ug/l | 250 | ND | 100 | 75-120 | | | |
| 1,4-Dichlorobenzene | 250 | 5.0 | ug/l | 250 | ND | 100 | 70-125 | | | |
| Dichlorodifluoromethane | 196 | 5.0 | ug/l | 250 | ND | 78 | 60-150 | | | |
| 1,1-Dichloroethane | 231 | 5.0 | ug/l | 250 | ND | 92 | 70-130 | | | |
| 1,2-Dichloroethane | 221 | 5.0 | ug/l | 250 | ND | 88 | 65-140 | | | |
| 1,1-Dichloroethene | 249 | 5.0 | ug/l | 250 | ND | 99 | 70-130 | | | |
| cis-1,2-Dichloroethene | 214 | 5.0 | ug/l | 250 | ND | 86 | 70-125 | | | |
| trans-1,2-Dichloroethene | 229 | 5.0 | ug/l | 250 | ND | 92 | 75-125 | | | |
| 1,2-Dichloropropane | 226 | 5.0 | ug/l | 250 | ND | 90 | 75-125 | | | |
| 1,3-Dichloropropane | 223 | 5.0 | ug/l | 250 | ND | 89 | 70-120 | | | |
| 2,2-Dichloropropane | 280 | 10 | ug/l | 250 | ND | 112 | 65-140 | | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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PUI1211 <Page 13 of 19>

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI1211

Sampled: 09/20/11
Received: 09/20/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | Limit | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------------------|------|--------|-----|-----------|-----------------|
| Batch: 11I0895 Extracted: 09/25/11 | | | | | | | | | | |
| Matrix Spike Analyzed: 09/25/2011 (11I0895-MS1) | | | | | Source: PUI1152-04 | | | | | |
| 1,1-Dichloropropene | 236 | 5.0 | ug/l | 250 | ND | 94 | 65-130 | | | |
| cis-1,3-Dichloropropene | 211 | 5.0 | ug/l | 250 | ND | 84 | 75-130 | | | |
| trans-1,3-Dichloropropene | 208 | 5.0 | ug/l | 250 | ND | 83 | 70-130 | | | |
| Ethylbenzene | 255 | 5.0 | ug/l | 250 | 11.7 | 97 | 70-125 | | | |
| Hexachlorobutadiene | 262 | 10 | ug/l | 250 | ND | 105 | 40-150 | | | |
| 2-Hexanone | 234 | 25 | ug/l | 250 | 17.3 | 87 | 20-150 | | | |
| Iodomethane | 287 | 25 | ug/l | 250 | ND | 115 | 60-150 | | | |
| Isopropylbenzene | 263 | 5.0 | ug/l | 250 | ND | 105 | 75-130 | | | |
| p-Isopropyltoluene | 262 | 5.0 | ug/l | 250 | ND | 105 | 70-130 | | | |
| Methylene Chloride | 212 | 10 | ug/l | 250 | ND | 85 | 65-130 | | | |
| 4-Methyl-2-pentanone (MIBK) | 234 | 25 | ug/l | 250 | ND | 94 | 55-135 | | | |
| Methyl-tert-butyl Ether (MTBE) | 373 | 5.0 | ug/l | 250 | 166 | 83 | 65-140 | | | |
| Naphthalene | 332 | 25 | ug/l | 250 | 28.2 | 121 | 40-150 | | | |
| n-Propylbenzene | 254 | 5.0 | ug/l | 250 | 2.10 | 101 | 70-130 | | | |
| Styrene | 233 | 5.0 | ug/l | 250 | ND | 93 | 55-135 | | | |
| 1,1,1,2-Tetrachloroethane | 254 | 5.0 | ug/l | 250 | ND | 102 | 70-125 | | | |
| 1,1,2,2-Tetrachloroethane | 221 | 5.0 | ug/l | 250 | ND | 88 | 70-125 | | | |
| Tetrachloroethene | 265 | 5.0 | ug/l | 250 | ND | 106 | 65-130 | | | |
| Toluene | 288 | 5.0 | ug/l | 250 | 55.9 | 93 | 70-125 | | | |
| 1,2,3-Trichlorobenzene | 271 | 10 | ug/l | 250 | ND | 108 | 50-150 | | | |
| 1,2,4-Trichlorobenzene | 265 | 10 | ug/l | 250 | ND | 106 | 50-150 | | | |
| 1,1,1-Trichloroethane | 246 | 5.0 | ug/l | 250 | ND | 98 | 70-130 | | | |
| 1,1,2-Trichloroethane | 221 | 5.0 | ug/l | 250 | ND | 88 | 75-125 | | | |
| Trichloroethene | 236 | 5.0 | ug/l | 250 | ND | 94 | 70-125 | | | |
| Trichlorofluoromethane | 222 | 5.0 | ug/l | 250 | ND | 89 | 65-150 | | | |
| 1,2,3-Trichloropropane | 231 | 10 | ug/l | 250 | ND | 92 | 70-130 | | | |
| 1,2,4-Trimethylbenzene | 267 | 5.0 | ug/l | 250 | 23.4 | 98 | 70-125 | | | |
| 1,3,5-Trimethylbenzene | 259 | 5.0 | ug/l | 250 | 6.50 | 101 | 75-130 | | | |
| Vinyl Acetate | 262 | 10 | ug/l | 250 | ND | 105 | 40-150 | | | |
| Vinyl chloride | 225 | 5.0 | ug/l | 250 | ND | 90 | 60-140 | | | |
| Xylenes, Total | 539 | 15 | ug/l | 500 | 73.2 | 93 | 75-120 | | | |
| Freon 113 | 268 | 20 | ug/l | 250 | ND | 107 | 65-140 | | | |
| Surrogate: Dibromofluoromethane | 24.6 | | ug/l | 25.0 | | 99 | 80-130 | | | |
| Surrogate: Toluene-d8 | 25.6 | | ug/l | 25.0 | | 103 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 25.0 | | ug/l | 25.0 | | 100 | 80-125 | | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI1211

Sampled: 09/20/11
Received: 09/20/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | Limit | RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-------|-------------|---------------------------|-----------|--------|-----|-----------|-----------------|
| Batch: 1110895 Extracted: 09/25/11 | | | | | | | | | | |
| Matrix Spike Dup Analyzed: 09/25/2011 (1110895-MSD1) | | | | | Source: PUI1152-04 | | | | | |
| Acetone | 339 | 100 | ug/l | 250 | 222 | 47 | 10-150 | 14 | 35 | |
| Benzene | 267 | 5.0 | ug/l | 250 | 49.7 | 87 | 70-125 | 7 | 25 | |
| Bromobenzene | 231 | 5.0 | ug/l | 250 | ND | 92 | 75-120 | 5 | 20 | |
| Bromochloromethane | 215 | 5.0 | ug/l | 250 | ND | 86 | 75-130 | 8 | 20 | |
| Bromodichloromethane | 206 | 5.0 | ug/l | 250 | ND | 83 | 75-125 | 5 | 20 | |
| Bromoform | 158 | 10 | ug/l | 250 | ND | 63 | 65-125 | 14 | 25 | M2 |
| Bromomethane | 178 | 10 | ug/l | 250 | ND | 71 | 45-150 | 5 | 35 | |
| 2-Butanone (MEK) | 286 | 25 | ug/l | 250 | 103 | 73 | 15-150 | 9 | 30 | |
| n-Butylbenzene | 237 | 5.0 | ug/l | 250 | 3.10 | 94 | 70-130 | 6 | 30 | |
| sec-Butylbenzene | 238 | 5.0 | ug/l | 250 | ND | 95 | 70-125 | 5 | 30 | |
| tert-Butylbenzene | 242 | 5.0 | ug/l | 250 | ND | 97 | 70-125 | 5 | 25 | |
| Carbon disulfide | 169 | 5.0 | ug/l | 250 | ND | 67 | 65-145 | 8 | 25 | |
| Carbon tetrachloride | 240 | 5.0 | ug/l | 250 | ND | 96 | 65-135 | 6 | 25 | |
| Chlorobenzene | 233 | 5.0 | ug/l | 250 | ND | 93 | 75-120 | 7 | 20 | |
| Chloroethane | 206 | 10 | ug/l | 250 | ND | 82 | 65-140 | 8 | 25 | |
| Chloroform | 203 | 5.0 | ug/l | 250 | ND | 81 | 70-130 | 8 | 20 | |
| Chloromethane | 174 | 10 | ug/l | 250 | ND | 70 | 55-145 | 2 | 35 | |
| 2-Chlorotoluene | 218 | 5.0 | ug/l | 250 | 1.90 | 86 | 70-125 | 8 | 25 | |
| 4-Chlorotoluene | 227 | 5.0 | ug/l | 250 | ND | 91 | 70-125 | 6 | 25 | |
| Dibromochloromethane | 204 | 5.0 | ug/l | 250 | ND | 82 | 70-130 | 12 | 20 | |
| 1,2-Dibromo-3-chloropropane | 211 | 25 | ug/l | 250 | ND | 84 | 50-150 | 9 | 30 | |
| 1,2-Dibromoethane (EDB) | 224 | 5.0 | ug/l | 250 | ND | 90 | 70-125 | 8 | 20 | |
| Dibromomethane | 210 | 5.0 | ug/l | 250 | ND | 84 | 70-120 | 4 | 20 | |
| 1,2-Dichlorobenzene | 238 | 5.0 | ug/l | 250 | ND | 95 | 75-120 | 4 | 20 | |
| 1,3-Dichlorobenzene | 236 | 5.0 | ug/l | 250 | ND | 94 | 75-120 | 6 | 25 | |
| 1,4-Dichlorobenzene | 238 | 5.0 | ug/l | 250 | ND | 95 | 70-125 | 5 | 20 | |
| Dichlorodifluoromethane | 197 | 5.0 | ug/l | 250 | ND | 79 | 60-150 | 0.6 | 30 | |
| 1,1-Dichloroethane | 213 | 5.0 | ug/l | 250 | ND | 85 | 70-130 | 8 | 20 | |
| 1,2-Dichloroethane | 204 | 5.0 | ug/l | 250 | ND | 82 | 65-140 | 8 | 20 | |
| 1,1-Dichloroethene | 228 | 5.0 | ug/l | 250 | ND | 91 | 70-130 | 8 | 25 | |
| cis-1,2-Dichloroethene | 198 | 5.0 | ug/l | 250 | ND | 79 | 70-125 | 8 | 20 | |
| trans-1,2-Dichloroethene | 220 | 5.0 | ug/l | 250 | ND | 88 | 75-125 | 4 | 25 | |
| 1,2-Dichloropropane | 213 | 5.0 | ug/l | 250 | ND | 85 | 75-125 | 6 | 20 | |
| 1,3-Dichloropropane | 210 | 5.0 | ug/l | 250 | ND | 84 | 70-120 | 6 | 20 | |
| 2,2-Dichloropropane | 274 | 10 | ug/l | 250 | ND | 110 | 65-140 | 2 | 25 | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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PUI1211 <Page 15 of 19>

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI1211

Sampled: 09/20/11

Received: 09/20/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | RPD Limits | RPD RPD | RPD Limit | Data Qualifiers |
|---|--------|-----------------|-------|-------------|---------------------------|-----------|------------|---------|-----------|-----------------|
| Batch: 1110895 Extracted: 09/25/11 | | | | | | | | | | |
| Matrix Spike Dup Analyzed: 09/25/2011 (1110895-MSD1) | | | | | Source: PUI1152-04 | | | | | |
| 1,1-Dichloropropene | 229 | 5.0 | ug/l | 250 | ND | 92 | 65-130 | 3 | 25 | |
| cis-1,3-Dichloropropene | 199 | 5.0 | ug/l | 250 | ND | 79 | 75-130 | 6 | 20 | |
| trans-1,3-Dichloropropene | 196 | 5.0 | ug/l | 250 | ND | 79 | 70-130 | 6 | 20 | |
| Ethylbenzene | 237 | 5.0 | ug/l | 250 | 11.7 | 90 | 70-125 | 7 | 25 | |
| Hexachlorobutadiene | 246 | 10 | ug/l | 250 | ND | 99 | 40-150 | 6 | 30 | |
| 2-Hexanone | 218 | 25 | ug/l | 250 | 17.3 | 80 | 20-150 | 7 | 30 | |
| Iodomethane | 272 | 25 | ug/l | 250 | ND | 109 | 60-150 | 6 | 30 | |
| Isopropylbenzene | 249 | 5.0 | ug/l | 250 | ND | 100 | 75-130 | 5 | 25 | |
| p-Isopropyltoluene | 246 | 5.0 | ug/l | 250 | ND | 98 | 70-130 | 6 | 30 | |
| Methylene Chloride | 197 | 10 | ug/l | 250 | ND | 79 | 65-130 | 7 | 20 | |
| 4-Methyl-2-pentanone (MIBK) | 223 | 25 | ug/l | 250 | ND | 89 | 55-135 | 5 | 25 | |
| Methyl-tert-butyl Ether (MTBE) | 362 | 5.0 | ug/l | 250 | 166 | 79 | 65-140 | 3 | 25 | |
| Naphthalene | 301 | 25 | ug/l | 250 | 28.2 | 109 | 40-150 | 10 | 30 | |
| n-Propylbenzene | 238 | 5.0 | ug/l | 250 | 2.10 | 94 | 70-130 | 6 | 30 | |
| Styrene | 218 | 5.0 | ug/l | 250 | ND | 87 | 55-135 | 7 | 35 | |
| 1,1,1,2-Tetrachloroethane | 238 | 5.0 | ug/l | 250 | ND | 95 | 70-125 | 7 | 20 | |
| 1,1,2,2-Tetrachloroethane | 215 | 5.0 | ug/l | 250 | ND | 86 | 70-125 | 3 | 25 | |
| Tetrachloroethene | 247 | 5.0 | ug/l | 250 | ND | 99 | 65-130 | 7 | 25 | |
| Toluene | 269 | 5.0 | ug/l | 250 | 55.9 | 85 | 70-125 | 7 | 20 | |
| 1,2,3-Trichlorobenzene | 260 | 10 | ug/l | 250 | ND | 104 | 50-150 | 4 | 35 | |
| 1,2,4-Trichlorobenzene | 253 | 10 | ug/l | 250 | ND | 101 | 50-150 | 4 | 25 | |
| 1,1,1-Trichloroethane | 230 | 5.0 | ug/l | 250 | ND | 92 | 70-130 | 7 | 25 | |
| 1,1,2-Trichloroethane | 212 | 5.0 | ug/l | 250 | ND | 85 | 75-125 | 4 | 20 | |
| Trichloroethene | 222 | 5.0 | ug/l | 250 | ND | 89 | 70-125 | 6 | 25 | |
| Trichlorofluoromethane | 205 | 5.0 | ug/l | 250 | ND | 82 | 65-150 | 8 | 25 | |
| 1,2,3-Trichloropropane | 224 | 10 | ug/l | 250 | ND | 89 | 70-130 | 3 | 25 | |
| 1,2,4-Trimethylbenzene | 253 | 5.0 | ug/l | 250 | 23.4 | 92 | 70-125 | 6 | 30 | |
| 1,3,5-Trimethylbenzene | 243 | 5.0 | ug/l | 250 | 6.50 | 95 | 75-130 | 6 | 25 | |
| Vinyl Acetate | 249 | 10 | ug/l | 250 | ND | 100 | 40-150 | 5 | 30 | |
| Vinyl chloride | 215 | 5.0 | ug/l | 250 | ND | 86 | 60-140 | 4 | 25 | |
| Xylenes, Total | 496 | 15 | ug/l | 500 | 73.2 | 84 | 75-120 | 8 | 15 | |
| Freon 113 | 247 | 20 | ug/l | 250 | ND | 99 | 65-140 | 8 | 20 | |
| Surrogate: Dibromofluoromethane | 23.9 | | ug/l | 25.0 | | 96 | 80-130 | | | |
| Surrogate: Toluene-d8 | 25.2 | | ug/l | 25.0 | | 101 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 24.2 | | ug/l | 25.0 | | 97 | 80-125 | | | |

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
 7272 E. Indian School Rd., Ste. 100
 Scottsdale, AZ 85251
 Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI1211

Sampled: 09/20/11
 Received: 09/20/11

METHOD BLANK/QC DATA

1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | Limit | RPD | RPD Limit | Data Qualifiers |
|--|--------|-----------------|-------|-------------|---------------|-----------|-----------|-----|-----------|-----------------|
| Batch: 1110811 Extracted: 09/22/11 | | | | | | | | | | |
| Blank Analyzed: 09/23/2011 (1110811-BLK1) | | | | | | | | | | |
| 1,4-Dioxane | ND | 1.0 | ug/l | | | | | | | |
| Surrogate: 1,4-Dioxane-d8 | 10.3 | | ug/l | 20.0 | | 51 | 38.6-88.3 | | | |
| Surrogate: Nitrobenzene-d5 | 13.9 | | ug/l | 20.0 | | 69 | 59.9-120 | | | |
| LCS Analyzed: 09/23/2011 (1110811-BS1) | | | | | | | | | | |
| 1,4-Dioxane | 20.2 | 1.0 | ug/l | 20.0 | | 101 | 80-120 | | | Q8 |
| Surrogate: 1,4-Dioxane-d8 | 14.2 | | ug/l | 20.0 | | 71 | 32-57 | | | S10 |
| Surrogate: Nitrobenzene-d5 | 17.9 | | ug/l | 20.0 | | 90 | 38-125 | | | |
| LCS Dup Analyzed: 09/23/2011 (1110811-BSD1) | | | | | | | | | | |
| 1,4-Dioxane | 19.9 | 1.0 | ug/l | 20.0 | | 99 | 80-120 | 1 | 25 | Q8 |
| Surrogate: 1,4-Dioxane-d8 | 14.8 | | ug/l | 20.0 | | 74 | 32-57 | | | S10 |
| Surrogate: Nitrobenzene-d5 | 18.7 | | ug/l | 20.0 | | 93 | 38-125 | | | |

TestAmerica Phoenix

Kylie Emily
 Project Manager

Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI1211

Sampled: 09/20/11

Received: 09/20/11

DATA QUALIFIERS AND DEFINITIONS

- M2** Matrix spike recovery was low; the associated blank spike recovery was acceptable.
- Q8** Insufficient sample received to meet method QC requirements. Batch QC requirements satisfy ADEQ policies 0154.000 and 0155.000.
- S10** Surrogate recovery was above laboratory and method acceptance limits. See case narrative.
- ND** Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
- RPD** Relative Percent Difference

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd., Ste. 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.030

Report Number: PUI1211

Sampled: 09/20/11

Received: 09/20/11

Certification Summary

TestAmerica Phoenix

| Method | Matrix | Nelac | Arizona |
|-----------|--------|-------|---------|
| EPA 8260B | Water | X | X |
| EPA 8270C | Water | | X |

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for TestAmerica may be obtained by contacting the laboratory or visiting our website at www.testamericainc.com

TestAmerica Phoenix

Kylie Emily
Project Manager

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Appendix C
City of Phoenix
Sanitary Sewer Discharge Permit



City of Phoenix
WATER SERVICES DEPARTMENT
ENVIRONMENTAL SERVICES DIVISION

August 17, 2011

Mr. Jason Hilker
Geologist
Environmental Resources Management
7272 East Indian School Road, Suite. 100
Scottsdale, Arizona 85251

RE: Temporary Discharge Permit Request for Discharge of Purge Water from
Motorola 52nd Street Superfund Site, Operable Unit (OU-3) Study Area. Phoenix,
Arizona-September 5, 2011 through September 30, 2011.

Dear Mr. Hilker:

The Environmental Services Division (ESD) received your e-mail Discharge Request Application Form dated August 4, 2011, requesting permission to discharge approximately 9,000 gallons of wastewater to the City Of Phoenix sanitary sewer. The purge water will be discharged into five city manholes located in Phoenix, Arizona. The purge water will be generated during groundwater sampling to characterize the extent and contamination of groundwater with volatile organic chemicals (VOC), particularly trichloroethene (TCE). The sampling is conducted for the U.S. Environmental Protection Agency (EPA) Region 9.

Approval is hereby granted for the discharge of approximately 9,000 gallons of purged groundwater from Operable Unit (OU-3) study area into the City of Phoenix sanitary sewer system. This discharge, via City of Phoenix MH # 412 in QS 11-29; MH #221 in QS 9-28; MH #106 in QS 11-27; MH #434 in QS 11-28; and MH #433 in QS 11-28 is expected to occur some time during the time period of September 9, 2011 through September 30, 2011. In order to avoid hydraulic overloading of the sewer mains in the area, this discharge shall not exceed a flow rate of 50 gallons per minute.

This approval is based on the laboratory analytical data from the June 2011 sampling events that represent the above requested discharges. The analytical results comply with the Phoenix City Code Chapter 28-8 Instantaneous Effluent Limitations. Environmental Resources Management is not required to sample cyanide or sulfides.

It appears that the approximately 9,000 gallons of wastewater meets the requirements under Chapter 28 of the Phoenix City Code. The wastewater is also determined not to be of sufficient quantity to injure or interfere with any sewage treatment process, cause corrosive structural damage, constitute a hazard to humans, or create any hazard to the sewer system, or in the receiving waters of the sewage treatment plant.

Mr. Jason Hilker
August 17, 2011
Page 2

Please submit a final status report to ESD within 10 (ten) days of discharge. This report shall include the date of discharge, time of day the discharge occurred, and the total gallons of wastewater discharged.

Should you have any questions, contact me at 602-534-2910. My office hours are 6:00 a.m. to 4:30 p.m., Monday through Thursday.

Sincerely,


Joe Dominguez
Senior Water Quality Inspector

Enclosure:

c: Marji Dukowitz

W:\Comm.\Corres.Log\ERM-11PC-38



City of Phoenix

TEMPORARY DISCHARGE & MANHOLE ENTRY PERMIT

The City of Phoenix, acting through the Water Services Department, hereby issues a temporary discharge manhole entry permit to:

Environmental Resources Management
7272 East Indian School Road, Suite 100
Scottsdale, Arizona 85251

hereinafter called Permittee, for the purpose of entering a City of Phoenix Manhole No. 412 in Quarter Section 11-29; Manhole No. 221 in Quarter Section 9-28; Manhole No.106 in Quarter Section11-27; Manhole No. 434 in Quarter Section 11-28, and Manhole No. 433 in Quarter Section 11-28, in Phoenix, Arizona.

The permit is issued in accordance with Phoenix City Code Chapter 28 Sections 28-8 and 28-27 and subject to the following conditions:

1. That the only activities authorized by the permit are for the disposal of wastewater generated from Motorola 52nd Street Superfund Site, Operable Unit 3, extraction wells located in Phoenix, Arizona. The Permittee shall conduct no other activity while entering upon the public property authorized by this permit.
2. That the Permittee's activities be conducted only within the time period of September 5, 2011 through September 30, 2011, unless authorized in writing by the Water Services Director for an extension of time, or unless revoked earlier, and that the Permittee notify the Water Services Department in advance of each separate entry.
3. Permittee shall measure and record the flow of the wastewater discharged to Manhole No. 412 in Quarter Section 11-29; Manhole No. 221 in Quarter Section 9-28; Manhole No.106 in Quarter Section11-27; Manhole No. 434 in Quarter Section 11-28, and Manhole No. 433 in Quarter Section 11-28. All flow data recorded shall be submitted to the Environmental Services Division within ten (10) days of completion.
4. Permittee shall measure and record the pH of the wastewater discharged to Manhole No. 412 in Quarter Section 11-29; Manhole No. 221 in Quarter Section 9-28; Manhole No.106 in Quarter Section11-27; Manhole No. 434 in Quarter Section 11-28, and Manhole No. 433 in Quarter Section 11-28. All pH data recorded shall be submitted to the Environmental Services Division within ten (10) days of completion.
5. Permittee shall incur costs of \$2.52 per one hundred cubic feet (or current rate as established by water accounting) of ground water discharged.

6. That the Permittee obtain a street closure permit for restrictions of all streets, sidewalks, and alleys. Manholes located in major streets require street closure. Contact City of Phoenix Street Transportation (602-262-6235) for street closure procedures and permit.
7. That the Permittee, when finished with the removal and discharge activities, replace to the satisfaction of the Water Services Director, any manhole covers or other disturbances to the City of Phoenix sewer lines that Permittee caused during the course of Permittee activities. That the Permittee agrees to save and hold harmless, the City, any of its departments, agencies, officers or employees from all costs and damages occurred by any of the above from any damage to any person or property whatsoever which is caused by the activity, condition or event arising out of the negligent performance or nonperformance of any of the provisions of this permit by the Permittee, any of the Permittee's agents, or any of the Permittee's independent contractors. The above costs incurred by the City, any of its departments, agencies, officers or employees shall include in the event of any action, court cost, expensive litigation and reasonable attorney fees. When any of the above costs and/or damages occurs as aforesaid, the Permittee assumes the burden of proof that the negligent activity, condition or event did not cause such cost damage or other expense the City may incur.

The Permittee agrees to the conditions set forth in this permit, and understands that all activities conducted under the conditions of this permit should conform to the laws of the City of Phoenix and the State of Arizona.

Dated this 24th day of August, 2011.


_____, Environmental Resources Management
Permittee

Dated this 19th day of August, 2011.

CITY OF PHOENIX,
a municipal corporation

By: 

Marji Dukowitz
Chief Water Quality Inspector
Water Services Department

Appendix D
OU3 Historical Groundwater Elevations

Table D-1
 Historical Groundwater Elevations
 Operable Unit 3
 Motorola 52nd Street Superfund Site
 Phoenix, Arizona

| Well | Measurement Date | Top of Casing Elevation | Depth to Water | Groundwater Elevation | Groundwater Elevation Change |
|-----------|------------------|-------------------------|----------------|-----------------------|------------------------------|
| BE-MW-8 | 3/6/2008 | 1,076.35 | 85.19 | 991.16 | — |
| BE-MW-8 | 9/2/2008 | 1,076.35 | 88.18 | 988.17 | -2.99 |
| BE-MW-8 | 3/2/2009 | 1,076.35 | 82.36 | 993.99 | 5.82 |
| BE-MW-8 | 9/8/2009 | 1,076.35 | 86.70 | 989.65 | -4.34 |
| BE-MW-8 | 3/15/2010 | 1,076.35 | 80.38 | 995.97 | 6.32 |
| BE-MW-8 | 9/13/2010 | 1,076.35 | 87.60 | 988.75 | -7.22 |
| BE-MW-8 | 3/8/2011 | 1,076.35 | 78.66 | 997.69 | 8.94 |
| DT-DW-5 | 12/14/1992 | 1,077.90 | 58.30 | 1,019.60 | — |
| DT-DW-5 | 2/7/1994 | 1,077.90 | 54.46 | 1,023.44 | 3.84 |
| DT-DW-5 | 11/1/1994 | 1,077.90 | 64.68 | 1,013.22 | -10.22 |
| DT-DW-5 | 6/18/2002 | 1,077.90 | 87.59 | 990.31 | -22.91 |
| DT-DW-5 | 9/3/2002 | 1,077.90 | 90.52 | 987.38 | -2.93 |
| DT-DW-5 | 12/16/2002 | 1,077.90 | 89.18 | 988.72 | 1.34 |
| DT-DW-5 | 2/27/2003 | 1,077.90 | 86.82 | 991.08 | 2.36 |
| DT-DW-5 | 3/5/2004 | 1,077.90 | 88.92 | 988.98 | -2.10 |
| DT-DW-5 | 9/9/2004 | 1,077.90 | Dry | — | — |
| DT-DW-5 | 3/1/2005 | 1,077.90 | 89.09 | 988.81 | — |
| DT-DW-5 | 9/1/2005 | 1,077.90 | 91.12 | 986.78 | -2.03 |
| DT-DW-5 | 3/13/2006 | 1,077.90 | 86.22 | 991.68 | 4.90 |
| DT-DW-5 | 9/5/2006 | 1,077.90 | 94.41 | 983.49 | -8.19 |
| DT-DW-5 | 3/15/2007 | 1,077.90 | 88.42 | 989.48 | 5.99 |
| DT-DW-5 | 9/4/2007 | 1,077.90 | 95.73 | 982.17 | -7.31 |
| DT-DW-5 | 3/6/2008 | 1,077.90 | 89.44 | 988.46 | 6.29 |
| DT-DW-5 | 9/2/2008 | 1,077.90 | 92.76 | 985.14 | -3.32 |
| DT-DW-5 | 3/2/2009 | 1,077.90 | 86.32 | 991.58 | 6.44 |
| DT-DW-5 | 9/8/2009 | 1,077.90 | 90.78 | 987.12 | -4.46 |
| DT-DW-5 | 3/15/2010 | 1,077.90 | 90.78 | 987.12 | 0.00 |
| DT-DW-5 | 9/13/2010 | 1,077.90 | 86.12 | 991.78 | 4.66 |
| DT-DW-5 | 3/8/2011 | 1,077.90 | 80.97 | 996.93 | 5.15 |
| EW-13-118 | 9/21/2004 | 1,092.71 | 94.06 | 998.65 | — |
| EW-13-118 | 3/3/2005 | 1,092.71 | 91.49 | 1,001.22 | 2.57 |
| EW-13-118 | 9/2/2005 | 1,092.71 | 88.10 | 1,004.61 | 3.39 |
| EW-13-118 | 3/16/2006 | 1,092.71 | 87.43 | 1,005.28 | 0.67 |
| EW-13-118 | 9/25/2006 | 1,092.71 | 89.90 | 1,002.81 | -2.47 |
| EW-13-118 | 3/2/2007 | 1,092.71 | 87.83 | 1,004.88 | 2.07 |
| EW-13-118 | 9/5/2007 | 1,092.71 | 90.04 | 1,002.67 | -2.21 |
| EW-13-118 | 3/24/2008 | 1,092.71 | 88.75 | 1,003.96 | 1.29 |
| EW-13-118 | 9/4/2008 | 1,092.71 | 87.85 | 1,004.86 | 0.90 |
| EW-13-118 | 3/16/2009 | 1,092.71 | 85.24 | 1,007.47 | 2.61 |
| EW-13-118 | 10/1/2009 | 1,092.71 | 86.79 | 1,005.92 | -1.55 |
| EW-13-118 | 3/26/2010 | 1,092.71 | 84.64 | 1,008.07 | 2.15 |
| EW-13-118 | 9/24/2010 | 1,092.71 | 81.14 | 1,011.57 | 3.50 |
| EW-13-118 | 3/18/2011 | 1,092.71 | 83.35 | 1,009.36 | -2.21 |
| EW-13-168 | 9/21/2004 | 1,092.71 | 94.07 | 998.64 | — |
| EW-13-168 | 3/3/2005 | 1,092.71 | 91.44 | 1,001.27 | 2.63 |
| EW-13-168 | 9/2/2005 | 1,092.71 | 88.09 | 1,004.62 | 3.35 |
| EW-13-168 | 3/16/2006 | 1,092.71 | 87.47 | 1,005.24 | 0.62 |
| EW-13-168 | 9/25/2006 | 1,092.71 | 89.89 | 1,002.82 | -2.42 |
| EW-13-168 | 3/2/2007 | 1,092.71 | 87.95 | 1,004.76 | 1.94 |
| EW-13-168 | 9/5/2007 | 1,092.71 | 90.03 | 1,002.68 | -2.08 |
| EW-13-168 | 3/24/2008 | 1,092.71 | 88.76 | 1,003.95 | 1.27 |
| EW-13-168 | 9/4/2008 | 1,092.71 | 87.79 | 1,004.92 | 0.97 |
| EW-13-168 | 3/16/2009 | 1,092.71 | 85.23 | 1,007.48 | 2.56 |
| EW-13-168 | 10/1/2009 | 1,092.71 | 86.99 | 1,005.72 | -1.76 |
| EW-13-168 | 3/26/2010 | 1,092.71 | 84.98 | 1,007.73 | 2.01 |
| EW-13-168 | 9/24/2010 | 1,092.71 | 80.99 | 1,011.72 | 3.99 |
| EW-13-168 | 3/18/2011 | 1,092.71 | 83.43 | 1,009.28 | -2.44 |
| EW-13-228 | 9/21/2004 | 1,092.71 | 92.87 | 999.84 | — |
| EW-13-228 | 3/4/2005 | 1,092.71 | 88.92 | 1,003.79 | 3.95 |
| EW-13-228 | 9/2/2005 | 1,092.71 | 86.15 | 1,006.56 | 2.77 |
| EW-13-228 | 3/16/2006 | 1,092.71 | 84.98 | 1,007.73 | 1.17 |
| EW-13-228 | 9/25/2006 | 1,092.71 | 87.56 | 1,005.15 | -2.58 |
| EW-13-228 | 3/2/2007 | 1,092.71 | 85.67 | 1,007.04 | 1.89 |
| EW-13-228 | 9/5/2007 | 1,092.71 | 88.35 | 1,004.36 | -2.68 |
| EW-13-228 | 3/24/2008 | 1,092.71 | 86.13 | 1,006.58 | 2.22 |
| EW-13-228 | 9/4/2008 | 1,092.71 | 85.58 | 1,007.13 | 0.55 |
| EW-13-228 | 3/16/2009 | 1,092.71 | 82.79 | 1,009.92 | 2.79 |
| EW-13-228 | 10/1/2009 | 1,092.71 | 84.89 | 1,007.82 | -2.10 |
| EW-13-228 | 3/26/2010 | 1,092.71 | 82.00 | 1,010.71 | 2.89 |
| EW-13-228 | 9/24/2010 | 1,092.71 | 79.14 | 1,013.57 | 2.86 |
| EW-13-228 | 3/18/2011 | 1,092.71 | 81.45 | 1,011.26 | -2.31 |
| EW-13-268 | 9/21/2004 | 1,092.71 | 92.57 | 1,000.14 | — |
| EW-13-268 | 3/3/2005 | 1,092.71 | 87.35 | 1,005.36 | 5.22 |
| EW-13-268 | 9/2/2005 | 1,092.71 | 85.67 | 1,007.04 | 1.68 |

Table D-1
 Historical Groundwater Elevations
 Operable Unit 3
 Motorola 52nd Street Superfund Site
 Phoenix, Arizona

| Well | Measurement Date | Top of Casing Elevation | Depth to Water | Groundwater Elevation | Groundwater Elevation Change |
|------------------|------------------|-------------------------|----------------|-----------------------|------------------------------|
| EW-13-268 | 3/16/2006 | 1,092.71 | 84.22 | 1,008.49 | 1.45 |
| EW-13-268 | 9/25/2006 | 1,092.71 | 86.92 | 1,005.79 | -2.70 |
| EW-13-268 | 3/2/2007 | 1,092.71 | 85.25 | 1,007.46 | 1.67 |
| EW-13-268 | 9/5/2007 | 1,092.71 | 88.02 | 1,004.69 | -2.77 |
| EW-13-268 | 3/24/2008 | 1,092.71 | 85.30 | 1,007.41 | 2.72 |
| EW-13-268 | 9/4/2008 | 1,092.71 | 84.98 | 1,007.73 | 0.32 |
| EW-13-268 | 3/16/2009 | 1,092.71 | 82.19 | 1,010.52 | 2.79 |
| EW-13-268 | 10/1/2009 | 1,092.71 | 84.33 | 1,008.38 | -2.14 |
| EW-13-268 | 3/26/2010 | 1,092.71 | 81.10 | 1,011.61 | 3.23 |
| EW-13-268 | 9/24/2010 | 1,092.71 | 78.57 | 1,014.14 | 2.53 |
| EW-13-268 | 3/18/2011 | 1,092.71 | 80.69 | 1,012.02 | -2.12 |
| EW-19D | 12/15/1992 | 1,087.19 | 55.90 | 1,031.44 | — |
| EW-19D | 2/2/1994 | 1,087.19 | 51.12 | 1,036.22 | 4.78 |
| EW-19D | 11/2/1994 | 1,087.19 | 57.82 | 1,029.52 | -6.70 |
| EW-19D | 4/28/1995 | 1,087.19 | 53.00 | 1,034.34 | 4.82 |
| EW-19D | 12/4/1995 | 1,087.19 | 54.58 | 1,032.76 | -1.58 |
| EW-19D | 4/12/1996 | 1,087.19 | 55.49 | 1,031.85 | -0.91 |
| EW-19D | 10/14/1996 | 1,087.19 | 59.16 | 1,028.18 | -3.67 |
| EW-19D | 4/8/1997 | 1,087.19 | 60.11 | 1,027.23 | -0.95 |
| EW-19D | 8/16/1997 | 1,087.19 | 70.71 | 1,016.63 | -10.60 |
| EW-19D | 9/18/1997 | 1,087.19 | 64.29 | 1,023.05 | 6.42 |
| EW-19D | 10/16/1997 | 1,087.19 | 63.87 | 1,023.47 | 0.42 |
| EW-19D | 11/19/1997 | 1,087.19 | 63.35 | 1,023.99 | 0.52 |
| EW-19D | 12/31/1997 | 1,087.19 | 62.59 | 1,024.75 | 0.76 |
| EW-19D | 5/13/1998 | 1,087.19 | 62.47 | 1,024.87 | 0.12 |
| EW-19D | 12/8/1998 | 1,087.19 | 63.13 | 1,024.21 | -0.66 |
| EW-19D | 6/30/1999 | 1,087.19 | 68.14 | 1,019.20 | -5.01 |
| EW-19D | 12/15/1999 | 1,087.19 | 67.20 | 1,020.14 | 0.94 |
| EW-19D | 9/3/2002 | 1,087.19 | 81.58 | 1,005.76 | -14.38 |
| EW-19D | 12/16/2002 | 1,087.19 | 80.10 | 1,007.24 | 1.48 |
| EW-19D | 2/27/2003 | 1,087.19 | 78.89 | 1,008.45 | 1.21 |
| EW-19D | 9/2/2003 | 1,087.19 | 85.15 | 1,002.19 | -6.26 |
| EW-19D | 3/1/2004 | 1,087.19 | 82.48 | 1,004.86 | 2.67 |
| EW-19D | 9/1/2004 | 1,087.19 | 88.73 | 998.61 | -6.25 |
| EW-19D | 3/1/2005 | 1,087.19 | 82.38 | 1,004.96 | 6.35 |
| EW-19D | 9/1/2005 | 1,087.19 | 82.64 | 1,004.70 | -0.26 |
| EW-19D | 3/1/2006 | 1,087.19 | 79.10 | 1,008.24 | 3.54 |
| EW-19D | 9/5/2006 | 1,087.19 | 83.91 | 1,003.43 | -4.81 |
| EW-19D | 3/1/2007 | 1,087.19 | 80.47 | 1,006.87 | 3.44 |
| EW-19D | 9/4/2007 | 1,087.19 | 85.23 | 1,002.11 | -4.76 |
| EW-19D | 3/6/2008 | 1,087.19 | 81.22 | 1,006.12 | 4.01 |
| EW-19D | 9/2/2008 | 1,087.19 | 82.41 | 1,004.93 | -1.19 |
| EW-19D | 3/2/2009 | 1,087.19 | 77.99 | 1,009.35 | 4.42 |
| EW-19D | 9/8/2009 | 1,087.19 | 80.77 | 1,006.57 | -2.78 |
| EW-19D | 3/15/2010 | 1,087.19 | 76.75 | 1,010.59 | 4.02 |
| EW-19D | 9/13/2010 | 1,087.34 | 76.67 | 1,010.67 | 0.08 |
| EW-19D | 3/14/2011 | 1,087.34 | 73.56 | 1,013.78 | 3.11 |
| EW-19S | 2/1/1994 | 1,087.18 | 55.16 | 1,032.16 | — |
| EW-19S | 10/31/1994 | 1,087.18 | 59.86 | 1,027.46 | -4.70 |
| EW-19S | 4/26/1995 | 1,087.18 | 57.00 | 1,030.32 | 2.86 |
| EW-19S | 12/5/1995 | 1,087.18 | 58.55 | 1,028.77 | -1.55 |
| EW-19S | 4/2/1996 | 1,087.18 | 56.99 | 1,030.33 | 1.56 |
| EW-19S | 10/10/1996 | 1,087.18 | 64.44 | 1,022.88 | -7.45 |
| EW-19S | 4/10/1997 | 1,087.18 | 62.53 | 1,024.79 | 1.91 |
| EW-19S | 8/16/1997 | 1,087.18 | 69.40 | 1,017.92 | -6.87 |
| EW-19S | 9/18/1997 | 1,087.18 | 70.21 | 1,017.11 | -0.81 |
| EW-19S | 10/16/1997 | 1,087.18 | 70.54 | 1,016.78 | -0.33 |
| EW-19S | 11/19/1997 | 1,087.18 | 70.51 | 1,016.81 | 0.03 |
| EW-19S | 12/15/1997 | 1,087.18 | 70.10 | 1,017.22 | 0.41 |
| EW-19S | 4/27/1998 | 1,087.18 | 68.24 | 1,019.08 | 1.86 |
| EW-19S | 11/19/1998 | 1,087.18 | 70.67 | 1,016.65 | -2.43 |
| EW-19S | 6/15/1999 | 1,087.18 | 71.00 | 1,016.32 | -0.33 |
| EW-19S | 12/8/1999 | 1,087.18 | 74.03 | 1,013.29 | -3.03 |
| EW-19S | 9/3/2002 | 1,087.18 | 86.68 | 1,000.64 | -12.65 |
| EW-19S | 12/16/2002 | 1,087.18 | 88.45 | 998.87 | -1.77 |
| EW-19S | 2/27/2003 | 1,087.18 | 87.27 | 1,000.05 | 1.18 |
| EW-19S | 9/2/2003 | 1,087.18 | 90.20 | 997.12 | -2.93 |
| EW-19S | 3/1/2004 | 1,087.18 | 90.50 | 996.82 | -0.30 |
| EW-19S | 9/1/2004 | 1,087.18 | 93.67 | 993.65 | -3.17 |
| EW-19S | 3/1/2005 | 1,087.18 | 92.26 | 995.06 | 1.41 |
| EW-19S | 9/1/2005 | 1,087.18 | 89.16 | 998.16 | 3.10 |
| EW-19S | 3/1/2006 | 1,087.18 | 87.50 | 999.82 | 1.66 |
| EW-19S | 9/5/2006 | 1,087.18 | 90.64 | 996.68 | -3.14 |
| EW-19S | 3/1/2007 | 1,087.18 | 88.61 | 998.71 | 2.03 |

Table D-1
Historical Groundwater Elevations
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona

| Well | Measurement Date | Top of Casing Elevation | Depth to Water | Groundwater Elevation | Groundwater Elevation Change |
|---------------|------------------|-------------------------|----------------|-----------------------|------------------------------|
| EW-19S | 9/4/2007 | 1,087.18 | 91.13 | 996.19 | -2.52 |
| EW-19S | 3/6/2008 | 1,087.18 | 90.34 | 996.98 | 0.79 |
| EW-19S | 9/2/2008 | 1,087.18 | 89.48 | 998.84 | 1.86 |
| EW-19S | 3/2/2009 | 1,087.18 | 86.50 | 1,000.82 | 1.98 |
| EW-19S | 9/8/2009 | 1,087.18 | 87.37 | 999.95 | -0.87 |
| EW-19S | 3/15/2010 | 1,087.18 | 86.32 | 1,001.00 | 1.05 |
| EW-19S | 9/13/2010 | 1,087.32 | 83.17 | 1,004.15 | 3.15 |
| EW-19S | 3/15/2011 | 1,087.32 | 82.09 | 1,005.23 | 1.08 |
| EW-20 | 1/31/1994 | 1,091.38 | 61.44 | 1,029.94 | — |
| EW-20 | 10/31/1994 | 1,091.38 | 69.02 | 1,022.36 | -7.58 |
| EW-20 | 4/26/1995 | 1,091.38 | 62.97 | 1,028.41 | 6.05 |
| EW-20 | 12/5/1995 | 1,091.38 | 66.95 | 1,024.43 | -3.98 |
| EW-20 | 4/2/1996 | 1,091.38 | 64.73 | 1,026.65 | 2.22 |
| EW-20 | 10/9/1996 | 1,091.38 | 70.75 | 1,020.63 | -6.02 |
| EW-20 | 4/8/1997 | 1,091.38 | 70.90 | 1,020.48 | -0.15 |
| EW-20 | 10/16/1997 | 1,091.38 | 77.12 | 1,014.26 | -6.22 |
| EW-20 | 11/19/1997 | 1,091.38 | 77.00 | 1,014.38 | 0.12 |
| EW-20 | 12/15/1997 | 1,091.38 | 70.78 | 1,020.60 | 6.22 |
| EW-20 | 4/29/1998 | 1,091.38 | 74.60 | 1,016.78 | -3.82 |
| EW-20 | 11/19/1998 | 1,091.38 | 77.37 | 1,014.01 | -2.77 |
| EW-20 | 6/16/1999 | 1,091.38 | 77.52 | 1,013.86 | -0.15 |
| EW-20 | 12/8/1999 | 1,091.38 | 80.67 | 1,010.71 | -3.15 |
| EW-20 | 6/18/2002 | 1,091.38 | 90.16 | 1,001.22 | -9.49 |
| EW-20 | 9/3/2002 | 1,091.38 | 92.89 | 998.49 | -2.73 |
| EW-20 | 12/16/2002 | 1,091.38 | 94.56 | 996.82 | -1.67 |
| EW-20 | 2/27/2003 | 1,091.38 | 93.33 | 998.05 | 1.23 |
| EW-20 | 9/2/2003 | 1,091.38 | 96.40 | 994.98 | -3.07 |
| EW-20 | 3/1/2004 | 1,091.38 | 96.53 | 994.85 | -0.13 |
| EW-20 | 9/1/2004 | 1,091.38 | 99.99 | 991.39 | -3.46 |
| EW-20 | 3/1/2005 | 1,091.38 | 98.64 | 992.74 | 1.35 |
| EW-20 | 9/1/2005 | 1,091.38 | 95.84 | 995.54 | 2.80 |
| EW-20 | 3/1/2006 | 1,091.38 | 93.83 | 997.55 | 2.01 |
| EW-20 | 9/5/2006 | 1,091.38 | 97.28 | 994.10 | -3.45 |
| EW-20 | 3/1/2007 | 1,091.38 | 95.14 | 996.24 | 2.14 |
| EW-20 | 9/4/2007 | 1,091.38 | 97.91 | 993.47 | -2.77 |
| EW-20 | 3/6/2008 | 1,091.38 | 96.88 | 994.50 | 1.03 |
| EW-20 | 9/2/2008 | 1,091.38 | 96.43 | 994.95 | 0.45 |
| EW-20 | 3/2/2009 | 1,091.38 | 93.13 | 998.25 | 3.30 |
| EW-20 | 9/8/2009 | 1,091.38 | 94.24 | 997.14 | -1.11 |
| EW-20 | 3/15/2010 | 1,091.38 | 92.83 | 998.55 | 1.41 |
| EW-20 | 9/13/2010 | 1,091.38 | 90.37 | 1,001.01 | 2.46 |
| EW-20 | 3/17/2011 | 1,091.38 | 88.53 | 1,002.85 | 1.84 |
| EW-21 | 1/31/1994 | 1,094.24 | 61.02 | 1,033.22 | — |
| EW-21 | 10/31/1994 | 1,094.24 | 68.18 | 1,026.06 | -7.16 |
| EW-21 | 4/26/1995 | 1,094.24 | 63.19 | 1,031.05 | 4.99 |
| EW-21 | 12/5/1995 | 1,094.24 | 66.10 | 1,028.14 | -2.91 |
| EW-21 | 4/2/1996 | 1,094.24 | 64.22 | 1,030.02 | 1.88 |
| EW-21 | 10/9/1996 | 1,094.24 | 69.58 | 1,024.66 | -5.36 |
| EW-21 | 4/8/1997 | 1,094.24 | 69.87 | 1,024.37 | -0.29 |
| EW-21 | 9/18/1997 | 1,094.24 | 74.99 | 1,019.25 | -5.12 |
| EW-21 | 10/16/1997 | 1,094.24 | 75.43 | 1,018.81 | -0.44 |
| EW-21 | 11/19/1997 | 1,094.24 | 75.56 | 1,018.68 | -0.13 |
| EW-21 | 12/14/1997 | 1,094.24 | 75.39 | 1,018.85 | 0.17 |
| EW-21 | 4/28/1998 | 1,094.24 | 73.83 | 1,020.41 | 1.56 |
| EW-21 | 11/19/1998 | 1,094.24 | 75.82 | 1,018.42 | -1.99 |
| EW-21 | 6/16/1999 | 1,094.24 | 76.13 | 1,018.11 | -0.31 |
| EW-21 | 12/8/1999 | 1,094.24 | 79.15 | 1,015.09 | -3.02 |
| EW-21 | 9/3/2002 | 1,094.24 | 91.40 | 1,002.84 | -12.25 |
| EW-21 | 12/16/2002 | 1,094.24 | 93.39 | 1,000.85 | -1.99 |
| EW-21 | 2/27/2003 | 1,094.24 | 92.35 | 1,001.89 | 1.04 |
| EW-21 | 9/2/2003 | 1,094.24 | 95.01 | 999.23 | -2.66 |
| EW-21 | 3/1/2004 | 1,094.24 | 95.69 | 998.55 | -0.68 |
| EW-21 | 9/1/2004 | 1,094.24 | 98.27 | 995.97 | -2.58 |
| EW-21 | 3/1/2005 | 1,094.24 | 97.75 | 996.49 | 0.52 |
| EW-21 | 9/1/2005 | 1,094.24 | 94.60 | 999.64 | 3.15 |
| EW-21 | 3/1/2006 | 1,094.24 | 93.01 | 1,001.23 | 1.59 |
| EW-21 | 9/5/2006 | 1,094.24 | 95.61 | 998.63 | -2.60 |
| EW-21 | 3/1/2007 | 1,094.24 | 94.09 | 1,000.15 | 1.52 |
| EW-21 | 9/4/2007 | 1,094.24 | 96.17 | 998.07 | -2.08 |
| EW-21 | 3/6/2008 | 1,094.24 | 95.88 | 998.36 | 0.29 |
| EW-21 | 9/2/2008 | 1,094.24 | 94.94 | 999.30 | 0.94 |
| EW-21 | 3/2/2009 | 1,094.24 | 92.22 | 1,002.02 | 2.72 |
| EW-21 | 9/8/2009 | 1,094.24 | 92.73 | 1,001.51 | -0.51 |
| EW-21 | 3/15/2010 | 1,094.24 | 92.05 | 1,002.19 | 0.68 |

Table D-1
Historical Groundwater Elevations
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona

| Well | Measurement Date | Top of Casing Elevation | Depth to Water | Groundwater Elevation | Groundwater Elevation Change |
|--------------------|------------------|-------------------------|----------------|-----------------------|------------------------------|
| EW-21 | 9/13/2010 | 1094.24 | 89.05 | 1005.19 | 3.00 |
| EW-21 | 3/8/2011 | 1,094.24 | 88.05 | 1,006.19 | 1.00 |
| EWOU3-10S-R | 6/27/2002 | 1,081.62 | 96.17 | 985.45 | — |
| EWOU3-10S-R | 9/3/2002 | 1,081.62 | 99.30 | 982.32 | -3.13 |
| EWOU3-10S-R | 12/16/2002 | 1,081.62 | 97.72 | 983.90 | 1.58 |
| EWOU3-10S-R | 2/27/2003 | 1,081.62 | 94.78 | 986.84 | 2.94 |
| EWOU3-10S-R | 9/2/2003 | 1,081.62 | Dry | — | — |
| EWOU3-10S-R | 3/1/2004 | 1,081.62 | 97.30 | 984.32 | — |
| EWOU3-10S-R | 9/1/2004 | 1,081.62 | Dry | — | — |
| EWOU3-10S-R | 3/1/2005 | 1,081.62 | 99.74 | 981.88 | — |
| EWOU3-10S-R | 9/1/2005 | 1,081.62 | 100.75 | 980.87 | -1.01 |
| EWOU3-10S-R | 3/1/2006 | 1,081.62 | 94.98 | 986.64 | 5.77 |
| EWOU3-10S-R | 9/5/2006 | 1,081.62 | 100.75 | 980.87 | -5.77 |
| EWOU3-10S-R | 3/1/2007 | 1,081.62 | 97.60 | 984.02 | 3.15 |
| EWOU3-10S-R | 9/4/2007 | 1,081.62 | 100.67 | 980.95 | -3.07 |
| EWOU3-10S-R | 3/6/2008 | 1,081.62 | 99.02 | 982.60 | 1.65 |
| EWOU3-10S-R | 9/2/2008 | 1,081.62 | 100.73 | 980.89 | -1.71 |
| EWOU3-10S-R | 3/2/2009 | 1,081.62 | 95.76 | 985.86 | 4.97 |
| EWOU3-10S-R | 9/8/2009 | 1,081.62 | 100.72 | 980.90 | -4.96 |
| EWOU3-10S-R | 3/15/2010 | 1,081.62 | 94.90 | 986.72 | 5.82 |
| EWOU3-10S-R | 9/13/2010 | 1,081.62 | 97.01 | 984.61 | -2.11 |
| EWOU3-10S-R | 3/15/2011 | 1,081.62 | 90.26 | 991.36 | 6.75 |
| GH-MW-11 | 8/21/1997 | 1,083.30 | 72.80 | 1,010.50 | — |
| GH-MW-11 | 10/29/1997 | 1,083.30 | 73.06 | 1,010.24 | -0.26 |
| GH-MW-11 | 11/19/1997 | 1,083.30 | 72.51 | 1,010.79 | 0.55 |
| GH-MW-11 | 12/15/1997 | 1,083.30 | 72.22 | 1,011.08 | 0.29 |
| GH-MW-11 | 1/19/1998 | 1,083.30 | 71.16 | 1,012.14 | 1.06 |
| GH-MW-11 | 2/13/1998 | 1,083.30 | 70.71 | 1,012.59 | 0.45 |
| GH-MW-11 | 3/23/1998 | 1,083.30 | 69.92 | 1,013.38 | 0.79 |
| GH-MW-11 | 12/18/1998 | 1,083.30 | 72.86 | 1,010.44 | -2.94 |
| GH-MW-11 | 6/18/2002 | 1,083.30 | 86.65 | 996.65 | -13.79 |
| GH-MW-11 | 9/3/2002 | 1,083.30 | 89.62 | 993.68 | -2.97 |
| GH-MW-11 | 12/16/2002 | 1,083.30 | 90.17 | 993.13 | -0.55 |
| GH-MW-11 | 2/27/2003 | 1,083.30 | 88.46 | 994.84 | 1.71 |
| GH-MW-11 | 9/2/2003 | 1,083.30 | 92.56 | 990.74 | -4.10 |
| GH-MW-11 | 3/1/2004 | 1,083.30 | 91.31 | 991.99 | 1.25 |
| GH-MW-11 | 9/1/2004 | 1,083.30 | 96.43 | 986.87 | -5.12 |
| GH-MW-11 | 3/1/2005 | 1,083.30 | 93.51 | 989.79 | 2.92 |
| GH-MW-11 | 9/1/2005 | 1,083.30 | 92.12 | 991.18 | 1.39 |
| GH-MW-11 | 3/1/2006 | 1,083.30 | 88.28 | 995.02 | 3.84 |
| GH-MW-11 | 9/5/2006 | 1,083.30 | 94.49 | 988.81 | -6.21 |
| GH-MW-11 | 3/1/2007 | 1,083.30 | 90.15 | 993.15 | 4.34 |
| GH-MW-11 | 9/4/2007 | 1,083.30 | 95.03 | 988.27 | -4.88 |
| GH-MW-11 | 3/6/2008 | 1,083.30 | 91.77 | 991.53 | 3.26 |
| GH-MW-11 | 9/2/2008 | 1,083.30 | 93.60 | 989.70 | -1.83 |
| GH-MW-11 | 3/2/2009 | 1,083.30 | 88.37 | 994.93 | 5.23 |
| GH-MW-11 | 9/8/2009 | 1,083.30 | 90.75 | 992.55 | -2.38 |
| GH-MW-11 | 3/15/2010 | 1,083.30 | 87.85 | 995.45 | 2.90 |
| GH-MW-11 | 9/13/2010 | 1,083.30 | 91.65 | 991.65 | -3.80 |
| Inter-tel MW-1 | 4/9/1997 | 1,088.38 | 67.48 | 1,020.90 | — |
| Inter-tel MW-1 | 8/16/1997 | 1,088.38 | 71.29 | 1,017.09 | -3.81 |
| Inter-tel MW-1 | 9/18/1997 | 1,088.38 | 72.76 | 1,015.62 | -1.47 |
| Inter-tel MW-1 | 10/16/1997 | 1,088.38 | 73.10 | 1,015.28 | -0.34 |
| Inter-tel MW-1 | 11/19/1997 | 1,088.38 | 73.30 | 1,015.08 | -0.20 |
| Inter-tel MW-1 | 12/21/1997 | 1,088.38 | 71.95 | 1,016.43 | 1.35 |
| Inter-tel MW-1 | 4/30/1998 | 1,088.38 | 71.75 | 1,016.63 | 0.20 |
| Inter-tel MW-1 | 11/23/1998 | 1,088.38 | 74.00 | 1,014.38 | -2.25 |
| Inter-tel MW-1 | 12/15/1999 | 1,088.38 | 77.40 | 1,010.98 | -3.40 |
| Inter-tel MW-1 | 6/18/2002 | 1,088.38 | 85.00 | 1,003.38 | -7.60 |
| Inter-tel MW-1 | 9/3/2002 | 1,088.38 | 87.06 | 1,001.32 | -2.06 |
| Inter-tel MW-1 | 12/16/2002 | 1,088.38 | Dry | — | — |
| Inter-tel MW-1 | 2/27/2003 | 1,088.38 | Dry | — | — |
| Inter-tel MW-1 | 9/9/2004 | 1,088.38 | Dry | — | — |
| Inter-tel MW-1 | 3/1/2005 | 1,088.38 | Dry | — | — |
| Inter-tel MW-1 | 9/1/2005 | 1,088.38 | Dry | — | — |
| Inter-tel MW-1 | 3/1/2006 | 1,088.38 | Dry | — | — |
| Inter-tel MW-1 | 9/5/2006 | 1,088.38 | Dry | — | — |
| Inter-tel MW-1 | 3/1/2007 | 1,088.38 | Dry | — | — |
| Inter-tel MW-1 | 9/4/2007 | 1,088.38 | Dry | — | — |
| Inter-tel MW-1 | 3/6/2008 | 1,088.38 | Dry | — | — |
| Inter-tel MW-1 | 9/2/2008 | 1,088.38 | Dry | — | — |
| Inter-tel MW-1 | 3/2/2009 | 1,088.38 | Dry | — | — |
| Inter-tel MW-1 | 9/8/2009 | 1,088.38 | Dry | — | — |

Table D-1
Historical Groundwater Elevations
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona

| Well | Measurement Date | Top of Casing Elevation | Depth to Water | Groundwater Elevation | Groundwater Elevation Change |
|----------------|------------------|-------------------------|----------------|-----------------------|------------------------------|
| Inter-tel MW-1 | 3/15/2010 | 1,088.38 | Dry | — | — |
| INTER-TEL MW- | 9/13/2010 | 1088.38 | Dry | — | — |
| Inter-tel MW-1 | — | 1,088.38 | 87.86 | 1,000.52 | — |
| OU3-10M | 5/29/2003 | 1,082.25 | 96.62 | 985.63 | — |
| OU3-10M | 9/2/2003 | 1,082.25 | 101.80 | 980.45 | -5.18 |
| OU3-10M | 12/1/2003 | 1,082.25 | 100.87 | 981.38 | 0.93 |
| OU3-10M | 3/1/2004 | 1,082.25 | 97.07 | 985.18 | 3.80 |
| OU3-10M | 9/1/2004 | 1,082.25 | 106.11 | 976.14 | -9.04 |
| OU3-10M | 3/1/2005 | 1,082.25 | 99.55 | 982.70 | 6.56 |
| OU3-10M | 9/1/2005 | 1,082.25 | 101.09 | 981.16 | -1.54 |
| OU3-10M | 3/1/2006 | 1,082.25 | 94.75 | 987.50 | 6.34 |
| OU3-10M | 9/5/2006 | 1,082.25 | 103.72 | 978.53 | -8.97 |
| OU3-10M | 3/1/2007 | 1,082.25 | 97.22 | 985.03 | 6.50 |
| OU3-10M | 9/4/2007 | 1,082.25 | 104.97 | 977.28 | -7.75 |
| OU3-10M | 3/6/2008 | 1,082.25 | 98.87 | 983.38 | 6.10 |
| OU3-10M | 9/2/2008 | 1,082.25 | 103.13 | 979.12 | -4.26 |
| OU3-10M | 3/2/2009 | 1,082.25 | 95.65 | 986.60 | 7.48 |
| OU3-10M | 9/8/2009 | 1,082.25 | 101.00 | 981.25 | -5.35 |
| OU3-10M | 3/15/2010 | 1,082.25 | 94.70 | 987.55 | 6.30 |
| OU3-10M | 9/13/2010 | 1082.25 | 97.13 | 985.12 | -2.43 |
| OU3-10M | 3/15/2011 | 1,082.25 | 90.07 | 992.18 | 7.06 |
| OU3-10M2 | 5/29/2003 | 1,082.29 | 96.43 | 985.86 | — |
| OU3-10M2 | 9/2/2003 | 1,082.29 | 101.55 | 980.74 | -5.12 |
| OU3-10M2 | 12/1/2003 | 1,082.29 | 100.70 | 981.59 | 0.85 |
| OU3-10M2 | 3/1/2004 | 1,082.29 | 96.96 | 985.33 | 3.74 |
| OU3-10M2 | 9/1/2004 | 1,082.29 | 105.66 | 976.43 | -8.90 |
| OU3-10M2 | 3/1/2005 | 1,082.29 | 99.44 | 982.85 | 6.42 |
| OU3-10M2 | 9/1/2005 | 1,082.29 | 100.85 | 981.44 | -1.41 |
| OU3-10M2 | 3/1/2006 | 1,082.29 | 94.65 | 987.64 | 6.20 |
| OU3-10M2 | 9/5/2006 | 1,082.29 | 103.50 | 978.79 | -8.85 |
| OU3-10M2 | 3/1/2007 | 1,082.29 | 97.00 | 985.29 | 6.50 |
| OU3-10M2 | 9/14/2007 | 1,082.29 | 105.05 | 977.24 | -8.05 |
| OU3-10M2 | 3/6/2008 | 1,082.29 | 98.75 | 983.54 | 6.30 |
| OU3-10M2 | 9/2/2008 | 1,082.29 | 102.91 | 979.38 | -4.16 |
| OU3-10M2 | 3/2/2009 | 1,082.29 | 95.52 | 986.77 | 7.39 |
| OU3-10M2 | 9/8/2009 | 1,082.29 | 100.79 | 981.50 | -5.27 |
| OU3-10M2 | 3/15/2010 | 1,082.29 | 94.60 | 987.69 | 6.19 |
| OU3-10M2 | 9/13/2010 | 1082.29 | 96.87 | 985.42 | -2.27 |
| OU3-10M2 | 3/15/2011 | 1,082.29 | 89.97 | 992.32 | 6.90 |
| OU3-11M | 5/29/2003 | 1,078.25 | 87.77 | 990.48 | — |
| OU3-11M | 9/2/2003 | 1,078.25 | 92.12 | 986.13 | -4.35 |
| OU3-11M | 12/1/2003 | 1,078.25 | 91.69 | 986.56 | 0.43 |
| OU3-11M | 3/1/2004 | 1,078.25 | 88.78 | 989.47 | 2.91 |
| OU3-11M | 9/1/2004 | 1,078.25 | 96.31 | 981.94 | -7.53 |
| OU3-11M | 3/1/2005 | 1,078.25 | 90.28 | 987.97 | 6.03 |
| OU3-11M | 9/1/2005 | 1,078.25 | 90.92 | 987.33 | -0.64 |
| OU3-11M | 3/1/2006 | 1,078.25 | 86.13 | 992.12 | 4.79 |
| OU3-11M | 9/5/2006 | 1,078.25 | 93.64 | 984.61 | -7.51 |
| OU3-11M | 3/1/2007 | 1,078.25 | 88.40 | 989.85 | 5.24 |
| OU3-11M | 9/4/2007 | 1,078.25 | 94.56 | 983.69 | -6.16 |
| OU3-11M | 3/6/2008 | 1,078.25 | 89.60 | 988.65 | 4.96 |
| OU3-11M | 9/2/2008 | 1,078.25 | 92.44 | 985.81 | -2.84 |
| OU3-11M | 3/3/2009 | 1,078.25 | 86.17 | 992.08 | 6.27 |
| OU3-11M | 9/8/2009 | 1,078.25 | 90.28 | 987.97 | -4.11 |
| OU3-11M | 3/15/2010 | 1,078.25 | 85.43 | 992.82 | 4.85 |
| OU3-11M | 9/13/2010 | 1078.25 | 86.05 | 992.20 | -0.62 |
| OU3-11M | 3/8/2011 | 1,078.25 | 80.93 | 997.32 | 5.12 |
| OU3-11M2 | 5/29/2003 | 1,078.05 | 87.59 | 990.46 | — |
| OU3-11M2 | 9/2/2003 | 1,078.05 | 91.97 | 986.08 | -4.38 |
| OU3-11M2 | 12/1/2003 | 1,078.05 | 91.49 | 986.56 | 0.48 |
| OU3-11M2 | 3/1/2004 | 1,078.05 | 88.58 | 989.47 | 2.91 |
| OU3-11M2 | 9/9/2004 | 1,078.05 | 96.43 | 981.62 | -7.85 |
| OU3-11M2 | 3/1/2005 | 1,078.05 | 90.07 | 987.98 | 6.36 |
| OU3-11M2 | 9/1/2005 | 1,078.05 | 90.76 | 987.29 | -0.69 |
| OU3-11M2 | 3/1/2006 | 1,078.05 | 85.93 | 992.12 | 4.83 |
| OU3-11M2 | 9/5/2006 | 1,078.05 | 93.47 | 984.58 | -7.54 |
| OU3-11M2 | 3/5/2007 | 1,078.05 | 87.76 | 990.29 | 5.71 |
| OU3-11M2 | 9/4/2007 | 1,078.05 | 94.72 | 983.33 | -6.96 |
| OU3-11M2 | 3/6/2008 | 1,078.05 | 89.41 | 988.64 | 5.31 |
| OU3-11M2 | 9/2/2008 | 1,078.05 | 92.27 | 985.78 | -2.86 |
| OU3-11M2 | 3/3/2009 | 1,078.05 | 86.00 | 992.05 | 6.27 |
| OU3-11M2 | 9/8/2009 | 1,078.05 | 90.12 | 987.93 | -4.12 |
| OU3-11M2 | 3/15/2010 | 1,078.05 | 85.26 | 992.79 | 4.86 |
| OU3-11M2 | 9/13/2010 | 1078.05 | 86.12 | 991.93 | -0.86 |

Table D-1
Historical Groundwater Elevations
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona

| Well | Measurement Date | Top of Casing Elevation | Depth to Water | Groundwater Elevation | Groundwater Elevation Change |
|-----------------|------------------|-------------------------|----------------|-----------------------|------------------------------|
| OU3-11M2 | 3/8/2011 | 1,078.05 | 80.75 | 997.30 | 5.37 |
| OU3-11S | 5/29/2003 | 1,078.26 | 87.68 | 990.58 | — |
| OU3-11S | 9/2/2003 | 1,078.26 | 92.02 | 986.24 | -4.34 |
| OU3-11S | 12/1/2003 | 1,078.26 | 91.64 | 986.62 | 0.38 |
| OU3-11S | 3/1/2004 | 1,078.26 | 88.73 | 989.53 | 2.91 |
| OU3-11S | 9/1/2004 | 1,078.26 | 96.22 | 982.04 | -7.49 |
| OU3-11S | 3/1/2005 | 1,078.26 | 90.25 | 988.01 | 5.97 |
| OU3-11S | 9/1/2005 | 1,078.26 | 90.84 | 987.42 | -0.59 |
| OU3-11S | 3/1/2006 | 1,078.26 | 86.06 | 992.20 | 4.78 |
| OU3-11S | 9/5/2006 | 1,078.26 | 93.54 | 984.72 | -7.48 |
| OU3-11S | 3/1/2007 | 1,078.26 | 88.24 | 990.02 | 5.30 |
| OU3-11S | 9/4/2007 | 1,078.26 | 94.62 | 983.64 | -6.38 |
| OU3-11S | 3/6/2008 | 1,078.26 | 89.55 | 988.71 | 5.07 |
| OU3-11S | 9/2/2008 | 1,078.26 | 92.34 | 985.92 | -2.79 |
| OU3-11S | 3/3/2009 | 1,078.26 | 86.12 | 992.14 | 6.22 |
| OU3-11S | 9/8/2009 | 1,078.26 | 90.18 | 988.08 | -4.06 |
| OU3-11S | 3/15/2010 | 1,078.26 | 85.40 | 992.86 | 4.78 |
| OU3-11S | 9/13/2010 | 1,078.26 | 85.95 | 992.31 | -0.55 |
| OU3-11S | 3/8/2011 | 1,078.26 | 80.80 | 997.46 | 5.15 |
| OU3-12D | 5/29/2003 | 1,090.77 | 84.20 | 1,006.57 | — |
| OU3-12D | 9/2/2003 | 1,090.77 | 87.18 | 1,003.59 | -2.98 |
| OU3-12D | 12/1/2003 | 1,090.77 | 86.88 | 1,003.89 | 0.30 |
| OU3-12D | 3/1/2004 | 1,090.77 | 85.63 | 1,005.14 | 1.25 |
| OU3-12D | 9/1/2004 | 1,090.77 | 90.53 | 1,000.24 | -4.90 |
| OU3-12D | 3/1/2005 | 1,090.77 | 85.50 | 1,005.27 | 5.03 |
| OU3-12D | 9/1/2005 | 1,090.77 | 84.53 | 1,006.24 | 0.97 |
| OU3-12D | 3/1/2006 | 1,090.77 | 92.18 | 998.59 | -7.65 |
| OU3-12D | 9/5/2006 | 1,090.77 | 85.88 | 1,004.89 | 6.30 |
| OU3-12D | 3/1/2007 | 1,090.77 | 83.16 | 1,007.61 | 2.72 |
| OU3-12D | 9/4/2007 | 1,090.77 | 86.86 | 1,000.91 | -6.70 |
| OU3-12D | 3/6/2008 | 1,090.77 | 84.09 | 1,006.68 | 5.77 |
| OU3-12D | 9/2/2008 | 1,090.77 | 84.06 | 1,006.71 | 0.03 |
| OU3-12D | 3/2/2009 | 1,090.77 | 80.58 | 1,010.19 | 3.48 |
| OU3-12D | 9/8/2009 | 1,090.77 | 82.49 | 1,008.28 | -1.91 |
| OU3-12D | 3/15/2010 | 1,090.77 | 79.73 | 1,011.04 | 2.76 |
| OU3-12D | 9/13/2010 | 1,090.77 | 77.98 | 1,012.79 | 1.75 |
| OU3-12D | 3/9/2011 | 1,090.77 | 76.70 | 1,014.07 | 1.28 |
| OU3-12M | 5/29/2003 | 1,090.79 | 88.12 | 1,002.67 | — |
| OU3-12M | 9/2/2003 | 1,090.79 | 90.29 | 1,000.50 | -2.17 |
| OU3-12M | 12/1/2003 | 1,090.79 | 91.84 | 998.95 | -1.55 |
| OU3-12M | 3/1/2004 | 1,090.79 | 90.78 | 1,000.01 | 1.06 |
| OU3-12M | 9/1/2004 | 1,090.79 | 93.41 | 997.38 | -2.63 |
| OU3-12M | 3/1/2005 | 1,090.79 | 95.97 | 994.82 | -2.56 |
| OU3-12M | 9/1/2005 | 1,090.79 | 88.61 | 1,002.18 | 7.36 |
| OU3-12M | 3/1/2006 | 1,090.79 | 87.52 | 1,003.27 | 1.09 |
| OU3-12M | 9/5/2006 | 1,090.79 | 90.12 | 1,000.67 | -2.60 |
| OU3-12M | 3/1/2007 | 1,090.79 | 88.28 | 1,002.51 | 1.84 |
| OU3-12M | 9/5/2007 | 1,090.79 | 90.42 | 1,000.37 | -2.14 |
| OU3-12M | 3/6/2008 | 1,090.79 | 89.94 | 1,000.85 | 0.48 |
| OU3-12M | 9/2/2008 | 1,090.79 | 88.49 | 1,002.30 | 1.45 |
| OU3-12M | 3/2/2009 | 1,090.79 | 85.94 | 1,004.85 | 2.55 |
| OU3-12M | 9/8/2009 | 1,090.79 | 86.57 | 1,004.22 | -0.63 |
| OU3-12M | 3/15/2010 | 1,090.79 | 85.96 | 1,004.83 | 0.61 |
| OU3-12M | 9/13/2010 | 1,090.79 | 82.01 | 1,008.78 | 3.95 |
| OU3-12M | 3/9/2011 | 1,090.79 | 81.99 | 1,008.80 | 0.02 |
| OU3-13D | 5/29/2003 | 1,095.71 | 90.55 | 1,005.16 | — |
| OU3-13D | 9/2/2003 | 1,095.71 | 93.09 | 1,002.62 | -2.54 |
| OU3-13D | 12/1/2003 | 1,095.71 | 93.74 | 1,001.97 | -0.65 |
| OU3-13D | 3/1/2004 | 1,095.71 | 92.64 | 1,003.07 | 1.10 |
| OU3-13D | 9/1/2004 | 1,095.71 | 96.11 | 999.60 | -3.47 |
| OU3-13D | 3/1/2005 | 1,095.71 | 93.51 | 1,002.20 | 2.60 |
| OU3-13D | 9/1/2005 | 1,095.71 | 91.33 | 1,004.38 | 2.18 |
| OU3-13D | 3/1/2006 | 1,095.71 | 85.47 | 1,010.24 | 5.86 |
| OU3-13D | 9/5/2006 | 1,095.71 | 92.29 | 1,003.42 | -6.82 |
| OU3-13D | 3/1/2007 | 1,095.71 | 90.32 | 1,005.39 | 1.97 |
| OU3-13D | 9/4/2007 | 1,095.71 | 93.07 | 1,002.64 | -2.75 |
| OU3-13D | 3/6/2008 | 1,095.71 | 91.80 | 1,003.91 | 1.27 |
| OU3-13D | 9/2/2008 | 1,095.71 | 91.04 | 1,004.67 | 0.76 |
| OU3-13D | 3/2/2009 | 1,095.71 | 88.09 | 1,007.62 | 2.95 |
| OU3-13D | 9/8/2009 | 1,095.71 | 89.21 | 1,006.50 | -1.12 |
| OU3-13D | 3/15/2010 | 1,095.71 | 87.76 | 1,007.95 | 1.45 |
| OU3-13D | 9/13/2010 | 1,095.71 | 85.05 | 1,010.66 | 2.71 |
| OU3-13D | 3/17/2011 | 1,095.71 | 84.31 | 1,011.40 | 0.74 |
| OU3-13M | 5/29/2003 | 1,095.75 | 92.92 | 1,002.83 | — |

Table D-1
Historical Groundwater Elevations
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona

| Well | Measurement Date | Top of Casing Elevation | Depth to Water | Groundwater Elevation | Groundwater Elevation Change |
|---------|------------------|-------------------------|----------------|-----------------------|------------------------------|
| OU3-13M | 9/2/2003 | 1,095.75 | 94.90 | 1,000.85 | -1.98 |
| OU3-13M | 12/1/2003 | 1,095.75 | 96.46 | 999.29 | -1.56 |
| OU3-13M | 3/1/2004 | 1,095.75 | 95.35 | 1,000.40 | 1.11 |
| OU3-13M | 9/1/2004 | 1,095.75 | 97.75 | 998.00 | -2.40 |
| OU3-13M | 3/1/2005 | 1,095.75 | 96.86 | 998.89 | 0.89 |
| OU3-13M | 9/1/2005 | 1,095.75 | 93.66 | 1,002.09 | 3.20 |
| OU3-13M | 3/1/2006 | 1,095.75 | 92.42 | 1,003.33 | 1.24 |
| OU3-13M | 9/5/2006 | 1,095.75 | 94.81 | 1,000.94 | -2.39 |
| OU3-13M | 3/1/2007 | 1,095.75 | 93.21 | 1,002.54 | 1.60 |
| OU3-13M | 9/4/2007 | 1,095.75 | 95.20 | 1,000.55 | -1.99 |
| OU3-13M | 3/6/2008 | 1,095.75 | 94.93 | 1,000.82 | 0.27 |
| OU3-13M | 9/2/2008 | 1,095.75 | 93.60 | 1,002.15 | 1.33 |
| OU3-13M | 3/2/2009 | 1,095.75 | 91.09 | 1,004.66 | 2.51 |
| OU3-13M | 9/8/2009 | 1,095.75 | 91.61 | 1,004.14 | -0.52 |
| OU3-13M | 3/15/2010 | 1,095.75 | 91.10 | 1,004.65 | 0.51 |
| OU3-13M | 9/13/2010 | 1,095.75 | 87.51 | 1008.24 | 3.59 |
| OU3-13M | 3/17/2011 | 1,095.75 | 87.30 | 1,008.45 | 0.21 |
| OU3-14D | 5/29/2003 | 1,099.14 | 85.99 | 1,013.15 | — |
| OU3-14D | 9/2/2003 | 1,099.14 | 88.66 | 1,010.48 | -2.67 |
| OU3-14D | 12/1/2003 | 1,099.14 | 88.53 | 1,010.61 | 0.13 |
| OU3-14D | 3/1/2004 | 1,099.14 | 87.15 | 1,011.99 | 1.38 |
| OU3-14D | 9/1/2004 | 1,099.14 | 91.52 | 1,007.62 | -4.37 |
| OU3-14D | 3/1/2005 | 1,099.14 | 87.55 | 1,011.59 | 3.97 |
| OU3-14D | 9/1/2005 | 1,099.14 | 86.40 | 1,012.74 | 1.15 |
| OU3-14D | 3/1/2006 | 1,099.14 | 83.72 | 1,015.42 | 2.68 |
| OU3-14D | 9/5/2006 | 1,099.14 | 86.58 | 1,012.56 | -2.86 |
| OU3-14D | 3/1/2007 | 1,099.14 | 84.57 | 1,014.57 | 2.01 |
| OU3-14D | 9/4/2007 | 1,099.14 | 88.10 | 1,011.04 | -3.53 |
| OU3-14D | 3/6/2008 | 1,099.14 | 85.81 | 1,013.33 | 2.29 |
| OU3-14D | 9/2/2008 | 1,099.14 | 85.85 | 1,013.29 | -0.04 |
| OU3-14D | 3/2/2009 | 1,099.14 | 82.61 | 1,016.53 | 3.24 |
| OU3-14D | 9/8/2009 | 1,099.14 | 84.21 | 1,014.93 | -1.60 |
| OU3-14D | 3/15/2010 | 1,099.14 | 81.95 | 1,017.19 | 2.26 |
| OU3-14D | 9/13/2010 | 1,099.14 | 87.81 | 1011.33 | -5.86 |
| OU3-14D | 3/9/2011 | 1,099.14 | 79.35 | 1,019.79 | 8.46 |
| OU3-14M | 5/29/2003 | 1,099.05 | 94.13 | 1,004.92 | — |
| OU3-14M | 9/2/2003 | 1,099.05 | 95.69 | 1,003.36 | -1.56 |
| OU3-14M | 12/1/2003 | 1,099.05 | 98.16 | 1,000.89 | -2.47 |
| OU3-14M | 3/1/2004 | 1,099.05 | 96.60 | 1,002.45 | 1.56 |
| OU3-14M | 9/1/2004 | 1,099.05 | 97.90 | 1,001.15 | -1.30 |
| OU3-14M | 3/1/2005 | 1,099.05 | 97.75 | 1,001.30 | 0.15 |
| OU3-14M | 9/1/2005 | 1,099.05 | 94.91 | 1,004.14 | 2.84 |
| OU3-14M | 3/1/2006 | 1,099.05 | 93.56 | 1,005.49 | 1.35 |
| OU3-14M | 9/5/2006 | 1,099.05 | 95.43 | 1,003.62 | -1.87 |
| OU3-14M | 3/1/2007 | 1,099.05 | 94.19 | 1,004.86 | 1.24 |
| OU3-14M | 9/4/2007 | 1,099.05 | 95.77 | 1,003.28 | -1.58 |
| OU3-14M | 3/6/2008 | 1,099.05 | 95.97 | 1,003.08 | -0.20 |
| OU3-14M | 9/2/2008 | 1,099.05 | 94.64 | 1,004.41 | 1.33 |
| OU3-14M | 3/2/2009 | 1,099.05 | 92.37 | 1,006.68 | 2.27 |
| OU3-14M | 9/8/2009 | 1,099.05 | 92.65 | 1,006.40 | -0.28 |
| OU3-14M | 3/15/2010 | 1,099.05 | 92.60 | 1,006.45 | 0.05 |
| OU3-14M | 9/13/2010 | 1,099.05 | 89.19 | 1009.86 | 3.41 |
| OU3-14M | 3/9/2011 | 1,099.05 | 89.11 | 1,009.94 | 0.08 |
| OU3-1D | 6/18/2002 | 1,093.09 | 82.24 | 1,010.85 | — |
| OU3-1D | 9/3/2002 | 1,093.09 | 85.11 | 1,007.98 | -2.87 |
| OU3-1D | 12/16/2002 | 1,093.09 | 82.70 | 1,010.39 | 2.41 |
| OU3-1D | 2/27/2003 | 1,093.09 | 81.68 | 1,011.41 | 1.02 |
| OU3-1D | 9/2/2003 | 1,093.09 | 88.98 | 1,004.11 | -7.30 |
| OU3-1D | 3/1/2004 | 1,093.09 | 85.50 | 1,007.59 | 3.48 |
| OU3-1D | 9/1/2004 | 1,093.09 | 92.51 | 1,000.58 | -7.01 |
| OU3-1D | 3/1/2005 | 1,093.09 | 85.43 | 1,007.66 | 7.08 |
| OU3-1D | 9/1/2005 | 1,093.09 | 86.35 | 1,006.74 | -0.92 |
| OU3-1D | 3/1/2006 | 1,093.09 | 82.12 | 1,010.97 | 4.23 |
| OU3-1D | 9/5/2006 | 1,093.09 | 87.29 | 1,005.80 | -5.17 |
| OU3-1D | 3/1/2007 | 1,093.09 | 83.69 | 1,009.40 | 3.60 |
| OU3-1D | 9/4/2007 | 1,093.09 | 88.85 | 1,004.24 | -5.16 |
| OU3-1D | 3/6/2008 | 1,093.09 | 84.36 | 1,008.73 | 4.49 |
| OU3-1D | 9/2/2008 | 1,093.09 | 86.12 | 1,006.97 | -1.76 |
| OU3-1D | 3/2/2009 | 1,093.09 | 81.39 | 1,011.70 | 4.73 |
| OU3-1D | 9/8/2009 | 1,093.09 | 84.50 | 1,008.59 | -3.11 |
| OU3-1D | 3/15/2010 | 1,093.09 | 79.98 | 1,013.11 | 4.52 |
| OU3-1D | 9/13/2010 | 1,093.09 | 80.84 | 1012.25 | -0.86 |
| OU3-1D | 3/10/2011 | 1,093.09 | 78.32 | 1,014.77 | 2.52 |
| OU3-1M | 6/18/2002 | 1,093.30 | 88.95 | 1,004.35 | — |

Table D-1
 Historical Groundwater Elevations
 Operable Unit 3
 Motorola 52nd Street Superfund Site
 Phoenix, Arizona

| Well | Measurement Date | Top of Casing Elevation | Depth to Water | Groundwater Elevation | Groundwater Elevation Change |
|---------------|------------------|-------------------------|----------------|-----------------------|------------------------------|
| OU3-1M | 9/3/2002 | 1,093.30 | 91.29 | 1,002.01 | -2.34 |
| OU3-1M | 12/16/2002 | 1,093.30 | 93.22 | 1,000.08 | -1.93 |
| OU3-1M | 2/27/2003 | 1,093.30 | 92.18 | 1,001.12 | 1.04 |
| OU3-1M | 9/2/2003 | 1,093.30 | 94.88 | 998.42 | -2.70 |
| OU3-1M | 3/1/2004 | 1,093.30 | 95.51 | 997.79 | -0.63 |
| OU3-1M | 9/1/2004 | 1,093.30 | 98.15 | 995.15 | -2.64 |
| OU3-1M | 3/1/2005 | 1,093.30 | 97.59 | 995.71 | 0.56 |
| OU3-1M | 9/1/2005 | 1,093.30 | 94.48 | 998.82 | 3.11 |
| OU3-1M | 3/1/2006 | 1,093.30 | 92.91 | 1,000.39 | 1.57 |
| OU3-1M | 9/5/2006 | 1,093.30 | 95.53 | 997.77 | -2.62 |
| OU3-1M | 3/1/2007 | 1,093.30 | 93.95 | 999.35 | 1.58 |
| OU3-1M | 9/4/2007 | 1,093.30 | 96.10 | 997.20 | -2.15 |
| OU3-1M | 3/6/2008 | 1,093.30 | 95.75 | 997.55 | 0.35 |
| OU3-1M | 9/2/2008 | 1,093.30 | 94.88 | 998.42 | 0.87 |
| OU3-1M | 3/2/2009 | 1,093.30 | 92.14 | 1,001.16 | 2.74 |
| OU3-1M | 9/8/2009 | 1,093.30 | 92.69 | 1,000.61 | -0.55 |
| OU3-1M | 3/15/2010 | 1,093.30 | 91.93 | 1,001.37 | 0.76 |
| OU3-1M | 9/13/2010 | 1,093.30 | 89.03 | 1,004.27 | 2.90 |
| OU3-1M | 3/10/2011 | 1,093.30 | 87.96 | 1,005.34 | 1.07 |
| OU3-2M | 6/18/2002 | 1,087.97 | 84.45 | 1,003.52 | — |
| OU3-2M | 9/3/2002 | 1,087.97 | 86.85 | 1,001.12 | -2.40 |
| OU3-2M | 12/16/2002 | 1,087.97 | 88.57 | 999.40 | -1.72 |
| OU3-2M | 2/27/2003 | 1,087.97 | 87.44 | 1,000.53 | 1.13 |
| OU3-2M | 9/2/2003 | 1,087.97 | 90.31 | 997.66 | -2.87 |
| OU3-2M | 3/1/2004 | 1,087.97 | 90.73 | 997.24 | -0.42 |
| OU3-2M | 9/1/2004 | 1,087.97 | 93.69 | 994.28 | -2.96 |
| OU3-2M | 3/1/2005 | 1,087.97 | 92.34 | 995.63 | 1.35 |
| OU3-2M | 9/1/2005 | 1,087.97 | 89.34 | 998.63 | 3.00 |
| OU3-2M | 3/1/2006 | 1,087.97 | 87.43 | 1,000.54 | 1.91 |
| OU3-2M | 9/5/2006 | 1,087.97 | 90.77 | 997.20 | -3.34 |
| OU3-2M | 3/1/2007 | 1,087.97 | 88.79 | 999.18 | 1.98 |
| OU3-2M | 9/4/2007 | 1,087.97 | 91.26 | 996.71 | -2.47 |
| OU3-2M | 3/6/2008 | 1,087.97 | 90.48 | 997.49 | 0.78 |
| OU3-2M | 9/2/2008 | 1,087.97 | 89.66 | 998.31 | 0.82 |
| OU3-2M | 3/2/2009 | 1,087.97 | 86.70 | 1,001.27 | 2.96 |
| OU3-2M | 9/8/2009 | 1,087.97 | 87.56 | 1,000.41 | -0.86 |
| OU3-2M | 3/15/2010 | 1,087.97 | 86.56 | 1,001.44 | 1.03 |
| OU3-2M | 9/13/2010 | 1,088.00 | 83.52 | 1,004.48 | 3.04 |
| OU3-2M | 3/14/2011 | 1,094.74 | 82.45 | 1,005.55 | 1.07 |
| OU3-4S | 6/18/2002 | 1,094.74 | 87.98 | 1,006.76 | — |
| OU3-4S | 9/3/2002 | 1,094.74 | 90.02 | 1,004.72 | -2.04 |
| OU3-4S | 12/16/2002 | 1,094.74 | 92.12 | 1,002.62 | -2.10 |
| OU3-4S | 2/27/2003 | 1,094.74 | 91.57 | 1,003.17 | 0.55 |
| OU3-4S | 9/2/2003 | 1,094.74 | 93.70 | 1,001.04 | -2.13 |
| OU3-4S | 3/1/2004 | 1,094.74 | 94.86 | 999.88 | -1.16 |
| OU3-4S | 9/1/2004 | 1,094.74 | 96.78 | 997.96 | -1.92 |
| OU3-4S | 3/1/2005 | 1,094.74 | 97.10 | 997.64 | -0.32 |
| OU3-4S | 9/1/2005 | 1,094.74 | 94.01 | 1,000.73 | 3.09 |
| OU3-4S | 3/1/2006 | 1,094.74 | 92.70 | 1,002.04 | 1.31 |
| OU3-4S | 9/5/2006 | 1,094.74 | 94.40 | 1,000.34 | -1.70 |
| OU3-4S | 3/1/2007 | 1,094.74 | 93.61 | 1,001.13 | 0.79 |
| OU3-4S | 9/4/2007 | 1,094.74 | 95.13 | 999.61 | -1.52 |
| OU3-4S | 3/6/2008 | 1,094.74 | 95.36 | 999.38 | -0.23 |
| OU3-4S | 9/2/2008 | 1,094.74 | 94.37 | 1,000.37 | 0.99 |
| OU3-4S | 3/2/2009 | 1,094.74 | 92.20 | 1,002.54 | 2.17 |
| OU3-4S | 9/8/2009 | 1,094.74 | 92.23 | 1,002.51 | -0.03 |
| OU3-4S | 3/15/2010 | 1,094.74 | 91.95 | 1,002.79 | 0.28 |
| OU3-4S | 9/13/2010 | 1,094.74 | 89.25 | 1,005.49 | 2.70 |
| OU3-4S | 3/8/2011 | 1,094.74 | 88.33 | 1,006.41 | 0.92 |
| OU3-5DR | 8/12/2003 | 1,087.35 | 91.56 | 995.79 | — |
| OU3-5DR | 12/1/2003 | 1,087.35 | 91.34 | 996.01 | 0.22 |
| OU3-5DR | 3/1/2004 | 1,087.35 | 89.30 | 998.05 | 2.04 |
| OU3-5DR | 9/1/2004 | 1,087.35 | 96.01 | 991.34 | -6.71 |
| OU3-5DR | 3/1/2005 | 1,087.35 | 90.09 | 997.26 | 5.92 |
| OU3-5DR | 9/1/2005 | 1,087.35 | 90.35 | 997.00 | -0.26 |
| OU3-5DR | 3/1/2006 | 1,087.35 | 86.33 | 1,001.02 | 4.02 |
| OU3-5DR | 9/5/2006 | 1,087.35 | 92.14 | 995.21 | -5.81 |
| OU3-5DR | 3/1/2007 | 1,087.35 | 88.17 | 999.18 | 3.97 |
| OU3-5DR | 9/4/2007 | 1,087.35 | 93.32 | 994.03 | -5.15 |
| OU3-5DR | 3/6/2008 | 1,087.35 | 89.09 | 998.26 | 4.23 |
| OU3-5DR | 9/2/2008 | 1,087.35 | 90.92 | 996.43 | -1.83 |
| OU3-5DR | 3/2/2009 | 1,087.35 | 85.77 | 1,001.58 | 5.15 |
| OU3-5DR | 9/8/2009 | 1,087.35 | 85.50 | 1,001.85 | 0.27 |
| OU3-5DR | 3/15/2010 | 1,087.35 | 84.70 | 1,002.65 | 0.80 |

Table D-1
Historical Groundwater Elevations
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona

| Well | Measurement Date | Top of Casing Elevation | Depth to Water | Groundwater Elevation | Groundwater Elevation Change |
|----------------|------------------|-------------------------|----------------|-----------------------|------------------------------|
| OU3-5DR | 9/13/2010 | 1087.35 | 84.98 | 1002.37 | -0.28 |
| OU3-5DR | 3/16/2011 | 1,087.35 | 86.23 | 1,001.12 | -1.25 |
| OU3-5M2 | 5/29/2003 | 1,087.24 | 91.87 | 995.37 | — |
| OU3-5M2 | 8/12/2003 | 1,087.24 | 94.51 | 992.73 | -2.64 |
| OU3-5M2 | 12/1/2003 | 1,087.24 | 96.04 | 991.20 | -1.53 |
| OU3-5M2 | 3/1/2004 | 1,087.24 | 94.24 | 993.00 | 1.80 |
| OU3-5M2 | 9/1/2004 | 1,087.24 | 98.77 | 988.47 | -4.53 |
| OU3-5M2 | 3/1/2005 | 1,087.24 | 96.50 | 990.74 | 2.27 |
| OU3-5M2 | 9/1/2005 | 1,087.24 | 94.62 | 992.62 | 1.88 |
| OU3-5M2 | 3/1/2006 | 1,087.24 | 91.77 | 995.47 | 2.85 |
| OU3-5M2 | 9/9/2006 | 1,087.24 | 96.39 | 990.85 | -4.62 |
| OU3-5M2 | 3/10/2007 | 1,087.24 | 93.07 | 994.17 | 3.32 |
| OU3-5M2 | 9/4/2007 | 1,087.24 | 97.09 | 990.15 | -4.02 |
| OU3-5M2 | 3/6/2008 | 1,087.24 | 95.00 | 992.24 | 2.09 |
| OU3-5M2 | 9/2/2008 | 1,087.24 | 95.60 | 991.64 | -0.60 |
| OU3-5M2 | 3/2/2009 | 1,087.24 | 91.55 | 995.69 | 4.05 |
| OU3-5M2 | 9/8/2009 | 1,087.24 | 93.49 | 993.75 | -1.94 |
| OU3-5M2 | 3/15/2010 | 1,087.24 | 91.10 | 996.14 | 2.39 |
| OU3-5M2 | 9/13/2010 | 1087.24 | 89.78 | 997.46 | 1.32 |
| OU3-5M2 | 3/16/2011 | 1,087.24 | 86.76 | 1,000.48 | 3.02 |
| OU3-5MR | 8/11/2003 | 1,087.37 | 94.58 | 992.79 | — |
| OU3-5MR | 12/1/2003 | 1,087.37 | 96.13 | 991.24 | -1.55 |
| OU3-5MR | 3/1/2004 | 1,087.37 | 94.34 | 993.03 | 1.79 |
| OU3-5MR | 9/1/2004 | 1,087.37 | 98.40 | 988.97 | -4.06 |
| OU3-5MR | 3/1/2005 | 1,087.37 | 96.60 | 990.77 | 1.80 |
| OU3-5MR | 9/1/2005 | 1,087.37 | 94.71 | 992.66 | 1.89 |
| OU3-5MR | 3/1/2006 | 1,087.37 | 91.88 | 995.49 | 2.83 |
| OU3-5MR | 9/5/2006 | 1,087.37 | 96.38 | 990.99 | -4.50 |
| OU3-5MR | 3/1/2007 | 1,087.37 | 93.41 | 993.96 | 2.97 |
| OU3-5MR | 9/4/2007 | 1,087.37 | 97.15 | 990.22 | -3.74 |
| OU3-5MR | 3/6/2008 | 1,087.37 | 95.09 | 992.28 | 2.06 |
| OU3-5MR | 9/2/2008 | 1,087.37 | 95.67 | 991.70 | -0.58 |
| OU3-5MR | 3/2/2009 | 1,087.37 | 91.56 | 995.81 | 4.11 |
| OU3-5MR | 9/8/2009 | 1,087.37 | 93.54 | 993.83 | -1.98 |
| OU3-5MR | 3/15/2010 | 1,087.37 | 91.19 | 996.18 | 2.35 |
| OU3-5MR | 9/13/2010 | 1087.37 | 89.81 | 997.56 | 1.38 |
| OU3-5MR | 3/16/2011 | 1,087.37 | 86.84 | 1,000.53 | 2.97 |
| OU3-5SR | 8/11/2003 | 1,087.28 | 94.39 | 992.89 | — |
| OU3-5SR | 12/1/2003 | 1,087.28 | 95.97 | 991.31 | -1.58 |
| OU3-5SR | 3/1/2004 | 1,087.28 | 94.18 | 993.10 | 1.79 |
| OU3-5SR | 9/1/2004 | 1,087.28 | 98.61 | 988.67 | -4.43 |
| OU3-5SR | 3/1/2005 | 1,087.28 | 96.44 | 990.84 | 2.17 |
| OU3-5SR | 9/1/2005 | 1,087.28 | 94.52 | 992.76 | 1.92 |
| OU3-5SR | 3/1/2006 | 1,087.28 | 91.72 | 995.56 | 2.80 |
| OU3-5SR | 9/5/2006 | 1,087.28 | 96.18 | 991.10 | -4.46 |
| OU3-5SR | 4/3/2007 | 1,087.28 | 92.90 | 994.38 | 3.28 |
| OU3-5SR | 9/4/2007 | 1,087.28 | 96.96 | 990.32 | -4.06 |
| OU3-5SR | 3/6/2008 | 1,087.28 | 94.95 | 992.33 | 2.01 |
| OU3-5SR | 9/2/2008 | 1,087.28 | 95.51 | 991.77 | -0.56 |
| OU3-5SR | 3/2/2009 | 1,087.28 | 91.51 | 995.77 | 4.00 |
| OU3-5SR | 9/8/2009 | 1,087.28 | 93.39 | 993.89 | -1.88 |
| OU3-5SR | 3/15/2010 | 1,087.28 | 91.02 | 996.26 | 2.37 |
| OU3-5SR | 9/13/2010 | 1087.28 | 89.64 | 997.64 | 1.38 |
| OU3-5SR | 3/16/2011 | 1,087.28 | 86.73 | 1,000.55 | 2.91 |
| OU3-6D | 6/18/2002 | 1,083.77 | 84.89 | 998.88 | — |
| OU3-6D | 9/3/2002 | 1,083.77 | 87.84 | 995.93 | -2.95 |
| OU3-6D | 12/16/2002 | 1,083.77 | 87.04 | 996.73 | 0.80 |
| OU3-6D | 2/27/2003 | 1,083.77 | 85.34 | 998.43 | 1.70 |
| OU3-6D | 9/2/2003 | 1,083.77 | 90.98 | 992.79 | -5.64 |
| OU3-6D | 3/1/2004 | 1,083.77 | 88.33 | 995.44 | 2.65 |
| OU3-6D | 9/1/2004 | 1,083.77 | 94.87 | 988.90 | -6.54 |
| OU3-6D | 3/1/2005 | 1,083.77 | 89.12 | 994.65 | 5.75 |
| OU3-6D | 9/1/2005 | 1,083.77 | 89.33 | 994.44 | -0.21 |
| OU3-6D | 3/6/2006 | 1,083.77 | 83.54 | 1,000.23 | 5.79 |
| OU3-6D | 9/5/2006 | 1,083.77 | 91.40 | 992.37 | -7.86 |
| OU3-6D | 3/1/2007 | 1,083.77 | 87.05 | 996.72 | 4.35 |
| OU3-6D | 9/4/2007 | 1,083.77 | 92.45 | 991.32 | -5.40 |
| OU3-6D | 3/6/2008 | 1,083.77 | 88.19 | 995.58 | 4.26 |
| OU3-6D | 9/2/2008 | 1,083.77 | 90.03 | 993.74 | -1.84 |
| OU3-6D | 3/2/2009 | 1,083.77 | 84.84 | 998.93 | 5.19 |
| OU3-6D | 9/8/2009 | 1,083.77 | 88.14 | 995.63 | -3.30 |
| OU3-6D | 3/15/2010 | 1,083.77 | 83.89 | 999.88 | 4.25 |
| OU3-6D | 9/13/2010 | 1083.77 | 83.84 | 999.93 | 0.05 |
| OU3-6D | 3/14/2011 | 1,083.77 | 80.06 | 1,003.71 | 3.78 |

Table D-1
Historical Groundwater Elevations
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona

| Well | Measurement Date | Top of Casing Elevation | Depth to Water | Groundwater Elevation | Groundwater Elevation Change |
|----------------|------------------|-------------------------|----------------|-----------------------|------------------------------|
| OU3-6M | 6/18/2002 | 1,083.66 | 87.14 | 996.52 | --- |
| OU3-6M | 9/3/2002 | 1,083.66 | 90.04 | 993.62 | -2.90 |
| OU3-6M | 12/16/2002 | 1,083.66 | 90.39 | 993.27 | -0.35 |
| OU3-6M | 2/27/2003 | 1,083.66 | 88.56 | 995.10 | 1.83 |
| OU3-6M | 9/2/2003 | 1,083.66 | 93.60 | 990.06 | -5.04 |
| OU3-6M | 3/1/2004 | 1,083.66 | 91.38 | 992.28 | 2.22 |
| OU3-6M | 9/1/2004 | 1,083.66 | 96.93 | 986.73 | -5.55 |
| OU3-6M | 3/1/2005 | 1,083.66 | 93.27 | 990.39 | 3.66 |
| OU3-6M | 9/1/2005 | 1,083.66 | 92.19 | 991.47 | 1.08 |
| OU3-6M | 3/1/2006 | 1,083.66 | 88.75 | 994.91 | 3.44 |
| OU3-6M | 9/5/2006 | 1,083.66 | 94.29 | 989.37 | -5.54 |
| OU3-6M | 3/1/2007 | 1,083.66 | 90.35 | 993.31 | 3.94 |
| OU3-6M | 9/4/2007 | 1,083.66 | 95.12 | 988.54 | -4.77 |
| OU3-6M | 3/6/2008 | 1,083.66 | 91.95 | 991.71 | 3.17 |
| OU3-6M | 9/2/2008 | 1,083.66 | 93.28 | 990.38 | -1.33 |
| OU3-6M | 3/2/2009 | 1,083.66 | 88.43 | 995.23 | 4.85 |
| OU3-6M | 9/8/2009 | 1,083.66 | 91.15 | 992.51 | -2.72 |
| OU3-6M | 3/15/2010 | 1,083.66 | 87.91 | 995.75 | 3.24 |
| OU3-6M | 9/13/2010 | 1,083.66 | 87.12 | 996.54 | 0.79 |
| OU3-6M | 3/14/2011 | 1,083.66 | 83.47 | 1,000.19 | 3.65 |
| OU3-7M2 | 6/18/2002 | 1,085.59 | 84.30 | 1,001.29 | --- |
| OU3-7M2 | 9/3/2002 | 1,085.59 | 86.91 | 998.68 | -2.61 |
| OU3-7M2 | 12/16/2002 | 1,085.59 | 88.77 | 996.82 | -1.86 |
| OU3-7M2 | 2/27/2003 | 1,085.59 | 87.85 | 997.74 | 0.92 |
| OU3-7M2 | 9/2/2003 | 1,085.59 | 90.40 | 995.19 | -2.55 |
| OU3-7M2 | 3/1/2004 | 1,085.59 | 90.95 | 994.64 | -0.55 |
| OU3-7M2 | 9/1/2004 | 1,085.59 | 93.95 | 991.64 | -3.00 |
| OU3-7M2 | 3/1/2005 | 1,085.59 | 93.57 | 992.02 | 0.38 |
| OU3-7M2 | 9/1/2005 | 1,085.59 | 90.91 | 994.68 | 2.66 |
| OU3-7M2 | 3/1/2006 | 1,085.59 | 88.97 | 996.62 | 1.94 |
| OU3-7M2 | 9/5/2006 | 1,085.59 | 91.77 | 993.82 | -2.80 |
| OU3-7M2 | 3/1/2007 | 1,085.59 | 90.27 | 995.32 | 1.50 |
| OU3-7M2 | 9/4/2007 | 1,085.59 | 92.07 | 993.52 | -1.80 |
| OU3-7M2 | 3/6/2008 | 1,085.59 | 92.11 | 993.48 | -0.04 |
| OU3-7M2 | 9/2/2008 | 1,085.59 | 91.86 | 993.73 | 0.25 |
| OU3-7M2 | 3/2/2009 | 1,085.59 | 89.02 | 996.57 | 2.84 |
| OU3-7M2 | 9/8/2009 | 1,085.59 | 89.76 | 995.83 | -0.74 |
| OU3-7M2 | 3/15/2010 | 1,085.59 | 88.46 | 997.13 | 1.30 |
| OU3-7M2 | 9/13/2010 | 1,085.59 | 86.63 | 998.96 | 1.83 |
| OU3-7M2 | 3/10/2011 | 1,085.59 | 84.53 | 1,001.06 | 2.10 |
| OU3-7S | 6/18/2002 | 1,085.29 | 84.20 | 1,001.09 | --- |
| OU3-7S | 9/3/2002 | 1,085.29 | 86.89 | 998.40 | -2.69 |
| OU3-7S | 12/16/2002 | 1,085.29 | 88.77 | 996.52 | -1.88 |
| OU3-7S | 2/27/2003 | 1,085.29 | 87.85 | 997.44 | 0.92 |
| OU3-7S | 9/2/2003 | 1,085.29 | 90.33 | 994.96 | -2.48 |
| OU3-7S | 3/1/2004 | 1,085.29 | 90.95 | 994.34 | -0.62 |
| OU3-7S | 9/1/2004 | 1,085.29 | 93.95 | 991.34 | -3.00 |
| OU3-7S | 3/1/2005 | 1,085.29 | 93.58 | 991.71 | 0.37 |
| OU3-7S | 9/1/2005 | 1,085.29 | 90.89 | 994.40 | 2.69 |
| OU3-7S | 3/1/2006 | 1,085.29 | 88.96 | 996.33 | 1.93 |
| OU3-7S | 9/5/2006 | 1,085.29 | 91.73 | 993.56 | -2.77 |
| OU3-7S | 3/1/2007 | 1,085.29 | 90.27 | 995.02 | 1.46 |
| OU3-7S | 9/4/2007 | 1,085.29 | 92.65 | 992.64 | -2.38 |
| OU3-7S | 3/6/2008 | 1,085.29 | 92.11 | 993.18 | 0.54 |
| OU3-7S | 9/2/2008 | 1,085.29 | 91.83 | 993.46 | 0.28 |
| OU3-7S | 3/2/2009 | 1,085.29 | 89.02 | 996.27 | 2.81 |
| OU3-7S | 9/8/2009 | 1,085.29 | 89.72 | 995.57 | -0.70 |
| OU3-7S | 3/15/2010 | 1,085.29 | 88.45 | 996.84 | 1.27 |
| OU3-7S | 9/13/2010 | 1,085.29 | 86.60 | 998.69 | 1.85 |
| OU3-7S | 3/10/2011 | 1,085.29 | 84.49 | 1,000.80 | 2.11 |
| OU3-8D | 6/18/2002 | 1,080.00 | 88.11 | 991.89 | --- |
| OU3-8D | 9/3/2002 | 1,080.00 | 91.57 | 988.43 | -3.46 |
| OU3-8D | 12/16/2002 | 1,080.00 | 89.37 | 990.63 | 2.20 |
| OU3-8D | 2/27/2003 | 1,080.00 | 86.97 | 993.03 | 2.40 |
| OU3-8D | 9/2/2003 | 1,080.00 | 94.33 | 985.67 | -7.36 |
| OU3-8D | 3/1/2004 | 1,080.00 | 89.78 | 990.22 | 4.55 |
| OU3-8D | 9/1/2004 | 1,080.00 | 98.58 | 981.42 | -8.80 |
| OU3-8D | 3/1/2005 | 1,080.00 | 91.58 | 988.42 | 7.00 |
| OU3-8D | 9/1/2005 | 1,080.00 | 93.25 | 986.75 | -1.67 |
| OU3-8D | 3/1/2006 | 1,080.00 | 87.25 | 992.75 | 6.00 |
| OU3-8D | 9/5/2006 | 1,080.00 | 95.42 | 984.58 | -8.17 |
| OU3-8D | 3/1/2007 | 1,080.00 | 89.42 | 990.58 | 6.00 |
| OU3-8D | 9/4/2007 | 1,080.00 | 96.76 | 983.24 | -7.34 |
| OU3-8D | 3/6/2008 | 1,080.00 | 90.83 | 989.17 | 5.93 |

Table D-1
Historical Groundwater Elevations
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona

| Well | Measurement Date | Top of Casing Elevation | Depth to Water | Groundwater Elevation | Groundwater Elevation Change |
|----------------|------------------|-------------------------|----------------|-----------------------|------------------------------|
| OU3-8D | 9/2/2008 | 1,080.00 | 94.70 | 985.30 | -3.87 |
| OU3-8D | 3/2/2009 | 1,080.00 | 87.74 | 992.26 | 6.96 |
| OU3-8D | 9/8/2009 | 1,080.00 | 92.71 | 987.29 | -4.97 |
| OU3-8D | 3/15/2010 | 1,080.00 | 86.59 | 993.41 | 6.12 |
| OU3-8D | 9/13/2010 | 1,080.00 | 88.91 | 991.09 | -2.32 |
| OU3-8D | 3/11/2011 | 1,080.00 | 82.52 | 997.48 | 6.39 |
| OU3-8M2 | 6/18/2002 | 1,080.39 | 89.44 | 990.95 | — |
| OU3-8M2 | 9/3/2002 | 1,080.39 | 92.79 | 987.60 | -3.35 |
| OU3-8M2 | 12/16/2002 | 1,080.39 | 92.70 | 987.69 | 0.09 |
| OU3-8M2 | 2/27/2003 | 1,080.39 | 90.40 | 989.99 | 2.30 |
| OU3-8M2 | 9/2/2003 | 1,080.39 | 95.70 | 984.69 | -5.30 |
| OU3-8M2 | 3/1/2004 | 1,080.39 | 93.08 | 987.31 | 2.62 |
| OU3-8M2 | 9/1/2004 | 1,080.39 | 99.64 | 980.75 | -6.56 |
| OU3-8M2 | 3/1/2005 | 1,080.39 | 95.86 | 984.53 | 3.78 |
| OU3-8M2 | 9/1/2005 | 1,080.39 | 95.46 | 984.93 | 0.40 |
| OU3-8M2 | 3/1/2006 | 1,080.39 | 90.84 | 989.55 | 4.62 |
| OU3-8M2 | 9/5/2006 | 1,080.39 | 97.42 | 982.97 | -6.58 |
| OU3-8M2 | 3/1/2007 | 1,080.39 | 92.94 | 987.45 | 4.48 |
| OU3-8M2 | 9/4/2007 | 1,080.39 | 98.56 | 981.83 | -5.62 |
| OU3-8M2 | 3/6/2008 | 1,080.39 | 94.79 | 985.60 | 3.77 |
| OU3-8M2 | 9/2/2008 | 1,080.39 | 97.23 | 983.16 | -2.44 |
| OU3-8M2 | 3/2/2009 | 1,080.39 | 91.59 | 988.80 | 5.64 |
| OU3-8M2 | 9/8/2009 | 1,080.39 | 95.13 | 985.26 | -3.54 |
| OU3-8M2 | 3/15/2010 | 1,080.39 | 90.82 | 989.57 | 4.31 |
| OU3-8M2 | 9/13/2010 | 1,080.39 | 91.51 | 988.88 | -0.69 |
| OU3-8M2 | 3/11/2011 | 1,080.39 | 86.31 | 994.08 | 5.20 |
| OU3-8S | 6/18/2002 | 1,080.05 | 89.39 | 990.66 | — |
| OU3-8S | 9/3/2002 | 1,080.05 | 92.93 | 987.12 | -3.54 |
| OU3-8S | 12/16/2002 | 1,080.05 | 92.93 | 987.12 | 0.00 |
| OU3-8S | 2/27/2003 | 1,080.05 | 90.61 | 989.44 | 2.32 |
| OU3-8S | 9/2/2003 | 1,080.05 | 95.72 | 984.33 | -5.11 |
| OU3-8S | 3/1/2004 | 1,080.05 | 93.29 | 986.76 | 2.43 |
| OU3-8S | 9/1/2004 | 1,080.05 | 99.83 | 980.22 | -6.54 |
| OU3-8S | 3/1/2005 | 1,080.05 | 96.22 | 983.83 | 3.61 |
| OU3-8S | 9/1/2005 | 1,080.05 | 95.69 | 984.36 | 0.53 |
| OU3-8S | 3/1/2006 | 1,080.05 | 91.18 | 988.87 | 4.51 |
| OU3-8S | 9/5/2006 | 1,080.05 | 97.70 | 982.35 | -6.52 |
| OU3-8S | 3/1/2007 | 1,080.05 | 93.25 | 986.80 | 4.45 |
| OU3-8S | 9/4/2007 | 1,080.05 | 98.84 | 981.21 | -5.59 |
| OU3-8S | 3/6/2008 | 1,080.05 | 95.16 | 984.89 | 3.68 |
| OU3-8S | 9/2/2008 | 1,080.05 | 97.57 | 982.48 | -2.41 |
| OU3-8S | 3/2/2009 | 1,080.05 | 91.95 | 988.10 | 5.62 |
| OU3-8S | 9/8/2009 | 1,080.05 | 95.40 | 984.65 | -3.45 |
| OU3-8S | 3/15/2010 | 1,080.05 | 90.05 | 990.00 | 5.35 |
| OU3-8S | 9/13/2010 | 1,080.05 | 91.97 | 988.08 | -1.92 |
| OU3-8S | 3/11/2011 | 1,080.05 | 86.61 | 993.44 | 5.36 |
| OU3-9M2 | 5/29/2003 | 1,080.74 | 90.42 | 990.32 | — |
| OU3-9M2 | 9/2/2003 | 1,080.74 | 94.19 | 986.55 | -3.77 |
| OU3-9M2 | 12/1/2003 | 1,080.74 | 95.17 | 985.57 | -0.98 |
| OU3-9M2 | 3/1/2004 | 1,080.74 | 92.85 | 987.89 | 2.32 |
| OU3-9M2 | 9/1/2004 | 1,080.74 | 98.04 | 982.70 | -5.19 |
| OU3-9M2 | 3/1/2005 | 1,080.74 | 95.78 | 984.96 | 2.26 |
| OU3-9M2 | 9/1/2005 | 1,080.74 | 94.53 | 986.21 | 1.25 |
| OU3-9M2 | 3/1/2006 | 1,080.74 | 90.91 | 989.83 | 3.62 |
| OU3-9M2 | 9/5/2006 | 1,080.74 | 96.08 | 984.66 | -5.17 |
| OU3-9M2 | 3/1/2007 | 1,080.74 | 92.79 | 987.95 | 3.29 |
| OU3-9M2 | 9/4/2007 | 1,080.74 | 97.21 | 983.53 | -4.42 |
| OU3-9M2 | 3/6/2008 | 1,080.74 | 94.68 | 986.06 | 2.53 |
| OU3-9M2 | 9/2/2008 | 1,080.74 | 96.22 | 984.52 | -1.54 |
| OU3-9M2 | 3/2/2009 | 1,080.74 | 91.62 | 989.12 | 4.60 |
| OU3-9M2 | 9/8/2009 | 1,080.74 | 94.21 | 986.53 | -2.59 |
| OU3-9M2 | 3/15/2010 | 1,080.74 | 90.92 | 989.82 | 3.29 |
| OU3-9M2 | 9/13/2010 | 1,080.74 | 91.02 | 989.72 | -0.10 |
| OU3-9M2 | 3/11/2011 | 1,080.74 | 86.53 | 994.21 | 4.49 |
| OU3-9S | 6/18/2002 | 1,080.55 | 88.05 | 992.50 | — |
| OU3-9S | 9/3/2002 | 1,080.55 | 91.19 | 989.36 | -3.14 |
| OU3-9S | 12/16/2002 | 1,080.55 | 92.11 | 988.44 | -0.92 |
| OU3-9S | 2/27/2003 | 1,080.55 | 90.20 | 990.35 | 1.91 |
| OU3-9S | 9/2/2003 | 1,080.55 | 94.31 | 986.24 | -4.11 |
| OU3-9S | 3/1/2004 | 1,080.55 | 93.00 | 987.55 | 1.31 |
| OU3-9S | 9/1/2004 | 1,080.55 | 98.05 | 982.50 | -5.05 |
| OU3-9S | 3/1/2005 | 1,080.55 | 95.96 | 984.59 | 2.09 |
| OU3-9S | 9/1/2005 | 1,080.55 | 94.62 | 985.93 | 1.34 |
| OU3-9S | 3/1/2006 | 1,080.55 | 91.01 | 989.54 | 3.61 |

Table D-1
Historical Groundwater Elevations
 Operable Unit 3
 Motorola 52nd Street Superfund Site
 Phoenix, Arizona

| Well | Measurement Date | Top of Casing Elevation | Depth to Water | Groundwater Elevation | Groundwater Elevation Change |
|----------|------------------|-------------------------|----------------|-----------------------|------------------------------|
| OU3-9S | 9/5/2006 | 1,080.55 | 96.15 | 984.40 | -5.14 |
| OU3-9S | 3/1/2007 | 1,080.55 | 92.93 | 987.82 | 3.42 |
| OU3-9S | 9/4/2007 | 1,080.55 | 97.25 | 983.30 | -4.52 |
| OU3-9S | 3/6/2008 | 1,080.55 | 94.83 | 985.72 | 2.42 |
| OU3-9S | 9/2/2008 | 1,080.55 | 96.33 | 984.22 | -1.50 |
| OU3-9S | 3/2/2009 | 1,080.55 | 91.78 | 988.77 | 4.55 |
| OU3-9S | 9/8/2009 | 1,080.55 | 94.34 | 986.21 | -2.56 |
| OU3-9S | 3/15/2010 | 1,080.55 | 91.03 | 989.52 | 3.31 |
| OU3-9S | 9/13/2010 | 1,080.55 | 91.02 | 989.53 | 0.01 |
| OU3-9S | 3/11/2011 | 1,080.55 | 86.65 | 993.90 | 4.37 |
| SC-MW-1D | 3/13/2006 | 1,092.39 | 88.71 | 1,003.68 | — |
| SC-MW-1D | 9/5/2006 | 1,092.39 | 91.03 | 1,001.36 | -2.32 |
| SC-MW-1D | 3/1/2007 | 1,092.39 | 89.26 | 1,003.13 | 1.77 |
| SC-MW-1D | 9/4/2007 | 1,092.39 | 91.27 | 1,001.12 | -2.01 |
| SC-MW-1D | 3/6/2008 | 1,092.39 | 90.94 | 1,001.45 | 0.33 |
| SC-MW-1D | 9/2/2008 | 1,092.39 | 89.37 | 1,003.02 | 1.57 |
| SC-MW-1D | 3/2/2009 | 1,092.39 | 86.90 | 1,005.49 | 2.47 |
| SC-MW-1D | 9/8/2009 | 1,092.39 | 87.45 | 1,004.94 | -0.55 |
| SC-MW-1D | 3/15/2010 | 1,092.39 | 86.95 | 1,005.44 | 0.50 |
| SC-MW-1D | 9/13/2010 | 1,092.39 | 82.85 | 1,009.54 | 4.10 |
| SC-MW-1D | 3/9/2011 | 1,092.39 | 83.02 | 1,009.37 | -0.17 |
| SC-MW-7 | 1/12/1995 | 1,091.25 | 62.26 | 1,028.99 | — |
| SC-MW-7 | 1/20/1995 | 1,091.25 | 61.39 | 1,029.86 | 0.87 |
| SC-MW-7 | 2/23/1995 | 1,091.25 | 60.10 | 1,031.15 | 1.29 |
| SC-MW-7 | 3/16/1995 | 1,091.25 | 59.04 | 1,032.21 | 1.06 |
| SC-MW-7 | 4/27/1995 | 1,091.25 | 57.16 | 1,034.09 | 1.88 |
| SC-MW-7 | 5/24/1995 | 1,091.25 | 57.26 | 1,033.99 | -0.10 |
| SC-MW-7 | 6/30/1995 | 1,091.25 | 58.32 | 1,032.93 | -1.06 |
| SC-MW-7 | 7/31/1995 | 1,091.25 | 59.38 | 1,031.87 | -1.06 |
| SC-MW-7 | 8/16/1995 | 1,091.25 | 59.98 | 1,031.27 | -0.60 |
| SC-MW-7 | 9/28/1995 | 1,091.25 | 60.83 | 1,030.42 | -0.85 |
| SC-MW-7 | 10/20/1995 | 1,091.25 | 61.09 | 1,030.16 | -0.26 |
| SC-MW-7 | 11/16/1995 | 1,091.25 | 60.83 | 1,030.42 | 0.26 |
| SC-MW-7 | 12/8/1995 | 1,091.25 | 60.41 | 1,030.84 | 0.42 |
| SC-MW-7 | 1/19/1996 | 1,091.25 | 59.70 | 1,031.55 | 0.71 |
| SC-MW-7 | 2/28/1996 | 1,091.25 | 59.26 | 1,031.99 | 0.44 |
| SC-MW-7 | 3/12/1996 | 1,091.25 | 59.04 | 1,032.21 | 0.22 |
| SC-MW-7 | 4/12/1996 | 1,091.25 | 59.25 | 1,032.00 | -0.21 |
| SC-MW-7 | 5/28/1996 | 1,091.25 | 60.45 | 1,030.80 | -1.20 |
| SC-MW-7 | 6/13/1996 | 1,091.25 | 60.98 | 1,030.27 | -0.53 |
| SC-MW-7 | 7/8/1996 | 1,091.25 | 61.89 | 1,029.36 | -0.91 |
| SC-MW-7 | 8/8/1996 | 1,091.25 | 62.90 | 1,028.35 | -1.01 |
| SC-MW-7 | 9/12/1996 | 1,091.25 | 63.74 | 1,027.51 | -0.84 |
| SC-MW-7 | 10/10/1996 | 1,091.25 | 64.18 | 1,027.07 | -0.44 |
| SC-MW-7 | 11/6/1996 | 1,091.25 | 64.47 | 1,026.78 | -0.29 |
| SC-MW-7 | 12/31/1996 | 1,091.25 | 64.58 | 1,026.67 | -0.11 |
| SC-MW-7 | 1/17/1997 | 1,091.25 | 64.49 | 1,026.76 | 0.09 |
| SC-MW-7 | 2/21/1997 | 1,091.25 | 64.44 | 1,026.81 | 0.05 |
| SC-MW-7 | 3/12/1997 | 1,091.25 | 64.61 | 1,026.64 | -0.17 |
| SC-MW-7 | 4/15/1997 | 1,091.25 | 65.15 | 1,026.10 | -0.54 |
| SC-MW-7 | 5/16/1997 | 1,091.25 | 66.02 | 1,025.23 | -0.87 |
| SC-MW-7 | 6/26/1997 | 1,091.25 | 67.56 | 1,023.69 | -1.54 |
| SC-MW-7 | 7/10/1997 | 1,091.25 | 68.04 | 1,023.21 | -0.48 |
| SC-MW-7 | 8/27/1997 | 1,091.25 | 69.55 | 1,021.70 | -1.51 |
| SC-MW-7 | 9/29/1997 | 1,091.25 | 70.24 | 1,021.01 | -0.69 |
| SC-MW-7 | 10/17/1997 | 1,091.25 | 70.35 | 1,020.90 | -0.11 |
| SC-MW-7 | 11/18/1997 | 1,091.25 | 70.49 | 1,020.76 | -0.14 |
| SC-MW-7 | 12/23/1997 | 1,091.25 | 71.66 | 1,019.59 | -1.17 |
| SC-MW-7 | 1/29/1998 | 1,091.25 | 70.29 | 1,020.96 | 1.37 |
| SC-MW-7 | 2/23/1998 | 1,091.25 | 69.95 | 1,021.30 | 0.34 |
| SC-MW-7 | 3/11/1998 | 1,091.25 | 69.57 | 1,021.68 | 0.38 |
| SC-MW-7 | 4/20/1998 | 1,091.25 | 68.83 | 1,022.42 | 0.74 |
| SC-MW-7 | 5/26/1998 | 1,091.25 | 68.35 | 1,022.90 | 0.48 |
| SC-MW-7 | 6/12/1998 | 1,091.25 | 68.47 | 1,022.78 | -0.12 |
| SC-MW-7 | 7/31/1998 | 1,091.25 | 69.20 | 1,022.05 | -0.73 |
| SC-MW-7 | 8/28/1998 | 1,091.25 | 69.73 | 1,021.52 | -0.53 |
| SC-MW-7 | 10/8/1998 | 1,091.25 | 70.39 | 1,020.86 | -0.66 |
| SC-MW-7 | 11/4/1998 | 1,091.25 | 70.46 | 1,020.79 | -0.07 |
| SC-MW-7 | 12/7/1998 | 1,091.25 | 70.45 | 1,020.80 | 0.01 |
| SC-MW-7 | 1/10/1999 | 1,091.25 | 74.01 | 1,017.24 | -3.56 |
| SC-MW-7 | 4/13/1999 | 1,091.25 | 70.04 | 1,021.21 | 3.97 |
| SC-MW-7 | 10/11/1999 | 1,091.25 | 73.40 | 1,017.85 | -3.36 |
| SC-MW-7 | 11/15/1999 | 1,091.25 | 73.73 | 1,017.52 | -0.33 |
| SC-MW-7 | 12/8/1999 | 1,091.25 | 73.87 | 1,017.38 | -0.14 |

Table D-1
Historical Groundwater Elevations
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona

| Well | Measurement Date | Top of Casing Elevation | Depth to Water | Groundwater Elevation | Groundwater Elevation Change |
|---------|------------------|-------------------------|----------------|-----------------------|------------------------------|
| SC-MW-7 | 3/14/2000 | 1,091.25 | 74.43 | 1,016.82 | -0.56 |
| SC-MW-7 | 4/14/2000 | 1,091.25 | 74.66 | 1,016.59 | -0.23 |
| SC-MW-7 | 5/23/2000 | 1,091.25 | 75.00 | 1,016.25 | -0.34 |
| SC-MW-7 | 6/12/2000 | 1,091.25 | 75.51 | 1,015.74 | -0.51 |
| SC-MW-7 | 9/3/2002 | 1,091.25 | 87.41 | 1,003.84 | -11.90 |
| SC-MW-7 | 12/16/2002 | 1,091.25 | Dry | — | — |
| SC-MW-7 | 2/27/2003 | 1,091.25 | Dry | — | — |
| SC-MW-7 | 9/2/2003 | 1,091.25 | Dry | — | — |
| SC-MW-7 | 3/1/2004 | 1,091.25 | Dry | — | — |
| SC-MW-7 | 9/1/2004 | 1,091.25 | Dry | — | — |
| SC-MW-7 | 3/1/2005 | 1,091.25 | Dry | — | — |
| SC-MW-7 | 9/1/2005 | 1,091.25 | Dry | — | — |
| SC-MW-7 | 3/1/2006 | 1,091.25 | Dry | — | — |
| SC-MW-7 | 9/5/2006 | 1,091.25 | Dry | — | — |

Table D-2
Historical Volatile Organic Compound Concentrations
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona

| Well | Measurement Date | PCE ug/l | | TCE ug/l | | cDCE ug/l | | 1,1-DCE ug/l | |
|-------------|------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| | | Report Result | Lab Qualifier |
| BE-MW-8 | 3/18/2008 | 18 | D | 1.3 | | 0.5 | U | 0.35 | J |
| BE-MW-8 | 9/15/2008 | 16 | | 1.1 | | 0.5 | U | 0.25 | J |
| BE-MW-8 | 3/10/2009 | 4.3 | | 0.53 | | 0.5 | U | 0.5 | U |
| BE-MW-8 | 9/29/2009 | 6 | | 0.59 | | 0.5 | U | 0.22 | J |
| BE-MW-8 | 3/16/2010 | 7.7 | | 0.6 | | 0.5 | U | 0.5 | U |
| BE-MW-8 | 9/14/2010 | 8.8 | | 0.66 | | 0.5 | U | 0.5 | U |
| BE-MW-8 | 3/8/2011 | 8.8 | | 0.5 | | 0.5 | U | 0.5 | U |
| DT-DW-5 | 6/24/2002 | 1 | U | 1 | | 1 | | 1 | U |
| DT-DW-5 | 9/9/2002 | 1 | U | 0.9 | J | 1 | UJ | 1 | U |
| DT-DW-5 | 12/20/2002 | 1 | U | 10 | | 2 | | 1 | |
| DT-DW-5 | 3/3/2003 | 1 | U | 1 | | 1 | | 1 | U |
| DT-DW-5 | 3/5/2004 | 1 | U | 0.9 | J | 0.6 | J | 1 | U |
| DT-DW-5 | 3/16/2005 | 0.17 | J | 1.1 | | 0.49 | J | 0.37 | J |
| DT-DW-5 | 9/21/2005 | 0.24 | J | 1 | | 0.28 | J | 0.55 | |
| DT-DW-5 | 3/13/2006 | 0.28 | J | 1.3 | | 0.5 | U | 0.5 | U |
| DT-DW-5 | 9/13/2006 | 0.5 | U | 1.1 | | 0.5 | U | 0.78 | |
| DT-DW-5 | 3/15/2007 | 0.26 | J | 1.1 | | 0.22 | J | 0.83 | |
| DT-DW-5 | 9/12/2007 | 0.36 | J | 1.3 | | 0.25 | J | 0.58 | |
| DT-DW-5 | 3/19/2008 | 0.32 | J | 0.86 | | 0.5 | U | 0.66 | |
| DT-DW-5 | 9/19/2008 | 0.31 | J | 0.84 | | 0.5 | U | 0.73 | |
| DT-DW-5 | 3/11/2009 | 0.5 | U | 0.41 | J | 0.5 | U | 0.29 | J |
| DT-DW-5 | 9/29/2009 | 0.5 | U | 0.41 | J | 0.5 | U | 0.35 | J |
| DT-DW-5 | 3/16/2010 | 0.5 | U,M2 | 0.67 | | 0.5 | U | 0.5 | U |
| DT-DW-5 | 9/13/2010 | 0.5 | U | 0.51 | | 0.5 | U | 0.5 | U |
| DT-DW-5 | 3/8/2011 | 0.5 | U | 0.54 | | 0.5 | U | 0.5 | U |
| EWOU3-10S-R | 6/27/2002 | 10 | | 430 | | 70 | | 50 | |
| EWOU3-10S-R | 9/10/2002 | 7 | | 200 | | 60 | | 21 | |
| EWOU3-10S-R | 12/20/2002 | 6 | | 390 | | 60 | | 15 | |
| EWOU3-10S-R | 3/3/2003 | 8 | | 200 | | 56 | | 11 | |
| EWOU3-10S-R | 3/2/2004 | 3.2 | | 98 | | 17 | | 5.3 | |
| EWOU3-10S-R | 3/17/2005 | 4.2 | | 110 | | 31 | | 8.4 | |
| EWOU3-10S-R | 3/10/2006 | 3.6 | | 46 | D | 13 | | 1 | |
| EWOU3-10S-R | 3/9/2007 | 3.9 | | 69 | D | 18 | | 11 | |
| EWOU3-10S-R | 3/11/2009 | 0.68 | | 17 | | 3.6 | | 2.5 | |
| EWOU3-10S-R | 3/22/2010 | 0.73 | | 14 | | 3.5 | | 2.7 | |
| EWOU3-10S-R | 9/20/2010 | 0.88 | | 15 | | 3.7 | | 2 | |
| EWOU3-10S-R | 3/15/2011 | 0.83 | | 14 | | 2.8 | | 2.1 | |
| EW-13-118 | 9/21/2004 | 0.5 | J | 0.5 | J | 0.5 | U | 0.5 | U |
| EW-13-118 | 3/3/2005 | 0.12 | J | 0.36 | J | 0.5 | U | 0.25 | J |
| EW-13-118 | 9/2/2005 | 0.5 | U | 0.24 | J | 0.5 | U | 0.5 | U |
| EW-13-118 | 3/16/2006 | 0.15 | J | 0.28 | J | 0.5 | U | 0.5 | U |
| EW-13-118 | 9/25/2006 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| EW-13-118 | 3/2/2007 | 0.5 | U | 0.3 | J | 0.5 | U | 0.32 | J |
| EW-13-118 | 9/5/2007 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| EW-13-118 | 3/24/2008 | 0.2 | J | 0.13 | J | 0.5 | U | 0.5 | U |
| EW-13-118 | 9/4/2008 | 0.5 | U | 0.5 | J | 0.5 | U | 0.5 | U |
| EW-13-118 | 3/16/2009 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| EW-13-118 | 10/1/2009 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| EW-13-118 | 3/26/2010 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| EW-13-118 | 9/24/2010 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| EW-13-118 | 3/18/2011 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| EW-13-168 | 9/21/2004 | 0.5 | J | 0.92 | | 0.16 | J | 0.5 | U |
| EW-13-168 | 3/3/2005 | 0.12 | J | 0.52 | | 0.5 | U | 0.38 | J |
| EW-13-168 | 9/2/2005 | 0.5 | U | 0.37 | J | 0.5 | U | 0.5 | U |
| EW-13-168 | 3/16/2006 | 0.14 | J | 0.36 | J | 0.5 | U | 0.5 | U |
| EW-13-168 | 9/25/2006 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| EW-13-168 | 3/2/2007 | 0.5 | U | 0.36 | J | 0.5 | U | 0.5 | U |
| EW-13-168 | 9/5/2007 | 0.5 | U | 0.42 | J | 0.5 | U | 0.31 | J |
| EW-13-168 | 3/24/2008 | 0.28 | J | 0.17 | J | 0.5 | U | 0.5 | U |
| EW-13-168 | 9/4/2008 | 0.5 | J | 0.5 | J | 0.5 | U | 0.5 | U |
| EW-13-168 | 3/16/2009 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| EW-13-168 | 10/1/2009 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| EW-13-168 | 3/26/2010 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| EW-13-168 | 9/24/2010 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| EW-13-168 | 3/18/2011 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| EW-13-228 | 9/21/2004 | 0.5 | U | 3.2 | | 0.5 | U | 0.5 | U |
| EW-13-228 | 3/4/2005 | 0.5 | U | 2.7 | | 0.5 | U | 0.5 | U |
| EW-13-228 | 9/2/2005 | 0.5 | U | 2.4 | | 0.5 | U | 0.5 | U |
| EW-13-228 | 3/16/2006 | 0.15 | J | 3 | | 0.5 | U | 0.5 | U |
| EW-13-228 | 9/25/2006 | 0.5 | U | 3.3 | | 0.5 | U | 0.5 | U |
| EW-13-228 | 3/2/2007 | 0.22 | BJ | 5.3 | | 0.5 | U | 0.5 | U |
| EW-13-228 | 9/5/2007 | 0.5 | U | 4.1 | | 0.5 | U | 0.5 | U |
| EW-13-228 | 3/24/2008 | 0.32 | J | 4 | | 0.5 | U | 0.5 | U |
| EW-13-228 | 9/4/2008 | 0.5 | J | 3.6 | | 0.5 | U | 0.5 | U |
| EW-13-228 | 3/16/2009 | 0.5 | U | 1.6 | | 0.5 | U | 0.5 | U |
| EW-13-228 | 10/1/2009 | 0.5 | U | 0.99 | | 0.5 | U | 0.5 | U |
| EW-13-228 | 3/26/2010 | 0.5 | U | 2.9 | | 0.5 | U | 0.5 | U |
| EW-13-228 | 9/24/2010 | 0.5 | U | 2.2 | | 0.5 | U | 0.5 | U |
| EW-13-228 | 3/18/2011 | 0.5 | U | 2.2 | | 0.5 | U | 0.5 | U |
| EW-13-268 | 9/21/2004 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| EW-13-268 | 3/3/2005 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| EW-13-268 | 9/2/2005 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| EW-13-268 | 3/16/2006 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| EW-13-268 | 9/25/2006 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| EW-13-268 | 3/2/2007 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| EW-13-268 | 9/5/2007 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| EW-13-268 | 3/24/2008 | 0.24 | J | 0.5 | U | 0.5 | U | 0.5 | U |
| EW-13-268 | 9/4/2008 | 0.5 | J | 0.5 | J | 0.5 | U | 0.5 | U |

Table D-2
Historical Volatile Organic Compound Concentrations
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona

| Well | Measurement Date | PCE ug/l | | TCE ug/l | | cDCE ug/l | | 1,1-DCE ug/l | |
|-----------|------------------|---------------|---------------|---------------|---------------|---------------|---------------|-----------------|---------------|
| | | Report Result | Lab Qualifier | Report Result | Lab Qualifier | Report Result | Lab Qualifier | Report Result | Lab Qualifier |
| EW-13-268 | 3/16/2009 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| EW-13-268 | 10/1/2009 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| EW-13-268 | 3/26/2010 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| EW-13-268 | 9/24/2010 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| EW-13-268 | 3/18/2011 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| EW-19S | 9/12/2002 | 17 | | 380 | | 90 | | 10 | |
| EW-19S | 12/20/2002 | 16 | | 720 | | 150 | | 8 | |
| EW-19S | 3/5/2003 | 19 | | 700 | | 120 | | 7 | |
| EW-19S | 9/7/2003 | 19 | | 440 | | 98 | | 10 | |
| EW-19S | 3/2/2004 | 18 | | 380 | | 85 | | 11 | |
| EW-19S | 9/2/2004 | 12 | | 220 | | 55 | | 1.5 | |
| EW-19S | 3/8/2005 | 13 | | 310 | | 73 | | 17 | |
| EW-19S | 9/27/2005 | 6.3 | | 140 | | 40 | | 19 | |
| EW-19S | 3/7/2006 | 6 | | 78 | D | 21 | D | 0.5 | U |
| EW-19S | 9/14/2006 | 3 | | 68 | D | 19 | | 9.8 | |
| EW-19S | 3/13/2007 | 3.4 | | 76 | D | 17 | | 7.7 | |
| EW-19S | 9/12/2007 | 3.7 | | 53 | D | 19 | | 9 | |
| EW-19S | 3/18/2008 | 3.3 | | 54 | D | 16 | | 10 | |
| EW-19S | 9/23/2008 | 2.1 | | 35 | D | 8.8 | | 7.7 | |
| EW-19S | 3/12/2009 | 0.64 | | 12 | | 2.6 | | 2.7 | |
| EW-19S | 9/22/2009 | 0.58 | | 8.6 | | 2.2 | | 2.2 | |
| EW-19S | 3/23/2010 | 0.99 | | 18 | | 4.7 | | 4.4 | |
| EW-19S | 9/16/2010 | 0.77 | | 14 | | 3.4 | | 1.2 | |
| EW-19S | 3/15/2011 | 0.5 | U | 7.8 | | 2.3 | | 3.1 | |
| EW-19D | 9/12/2002 | 1 | U | 1 | U | 1 | U | 1 | U |
| EW-19D | 12/18/2002 | 1 | U | 1 | U | 1 | U | 1 | U |
| EW-19D | 3/5/2003 | 1 | U | 1 | U | 1 | U | 1 | U |
| EW-19D | 9/7/2003 | 1 | U | 1 | U | 1 | U | 1 | U |
| EW-19D | 3/3/2004 | 1 | | 3.6 | | 1 | U | 1 | U |
| EW-19D | 9/9/2004 | 0.28 | J | 1.5 | | 0.28 | J | 0.19 | J |
| EW-19D | 3/7/2005 | 0.5 | U | 0.35 | J | 0.5 | U | 0.5 | U |
| EW-19D | 9/27/2005 | 0.5 | U | 0.11 | J | 0.5 | U | 0.5 | U |
| EW-19D | 3/7/2006 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| EW-19D | 9/14/2006 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| EW-19D | 3/13/2007 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| EW-19D | 9/12/2007 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| EW-19D | 3/18/2008 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| EW-19D | 9/22/2008 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| EW-19D | 3/12/2009 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| EW-19D | 9/22/2009 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| EW-19D | 3/25/2010 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| EW-19D | 9/16/2010 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| EW-19D | 3/14/2011 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| EW-20 | 6/26/2002 | 9 | | 260 | | 40 | | 0.9 | J |
| EW-20 | 6/26/2002 | 10 | | 300 | | 50 | | 1 | |
| EW-20 | 9/10/2002 | 7 | | 150 | | 21 | | 1 | U |
| EW-20 | 9/10/2002 | 7 | | 150 | | 20 | | 1 | U |
| EW-20 | 12/18/2002 | 6 | | 170 | | 20 | | 0.5 | J |
| EW-20 | 12/18/2002 | 6 | | 180 | | 20 | | 1 | U |
| EW-20 | 3/3/2003 | 4 | | 100 | | 19 | | 1 | U |
| EW-20 | 3/3/2003 | 5 | | 100 | | 25 | J | 1 | U |
| EW-20 | 9/4/2003 | 2.4 | | 72 | | 16 | | 1 | U |
| EW-20 | 9/4/2003 | 2.7 | | 70 | | 16 | | 1 | U |
| EW-20 | 3/4/2004 | 3.1 | | 63 | | 11 | | 1 | U |
| EW-20 | 9/7/2004 | 1.5 | | 45 | | 6.9 | | 0.5 | U |
| EW-20 | 3/16/2005 | 1.5 | J | 38 | | 6.7 | | 0.34 | J |
| EW-20 | 9/20/2005 | 3.2 | | 73 | | 16 | | 0.17 | J |
| EW-20 | 3/2/2006 | 2.9 | | 48 | D | 14 | | 0.5 | U |
| EW-20 | 9/6/2006 | 2.7 | | 75 | D | 14 | | 0.5 | U |
| EW-20 | 3/13/2007 | 2.7 | | 58 | D | 15 | | 1.8 | |
| EW-20 | 9/7/2007 | 2.1 | | 56 | D | 10 | | 0.66 | |
| EW-20 | 3/18/2008 | 1.9 | | 47 | D | 9.5 | | 0.63 | |
| EW-20 | 9/23/2008 | 2.4 | | 45 | D | 11 | | 3.2 | |
| EW-20 | 3/5/2009 | 0.76 | | 18 | | 3.6 | | 1.4 | |
| EW-20 | 9/28/2009 | 0.91 | | 20 | | 4.3 | | 2.5 | |
| EW-20 | 3/23/2010 | 1.3 | | 34 | | 7.6 | | 3.9 | |
| EW-20 | 9/20/2010 | 1.2 | | 30 | | 6.2 | | 2.2 | |
| EW-20 | 9/20/2010 | 1.4 | | 28 | | 6.7 | | 3.2 | |
| EW-20 | 3/17/2011 | 1 | | 22 | | 5 | | 3.2 | |
| EW-21 | 9/13/2002 | 0.7 | J | 21 | | 3 | | 1 | U |
| EW-21 | 12/18/2002 | 0.5 | J | 12 | | 1 | | 1 | U |
| EW-21 | 3/7/2003 | 0.5 | J | 11 | | 1 | | 1 | U |
| EW-21 | 9/4/2003 | 0.6 | J | 4.3 | | 0.6 | J | 1 | U |
| EW-21 | 3/11/2004 | 0.6 | J | 8 | | 0.9 | J | 1 | U |
| EW-21 | 9/8/2004 | 0.82 | | 5.7 | | 0.65 | | 0.5 | U |
| EW-21 | 3/16/2005 | 0.84 | | 5.4 | | 0.63 | | 0.5 | U |
| EW-21 | 9/22/2005 | 0.78 | | 5 | | 0.77 | | 0.5 | U |
| EW-21 | 3/3/2006 | 0.97 | | 5.4 | | 0.87 | | 0.5 | U |
| EW-21 | 9/11/2006 | 1.3 | | 5.1 | | 0.57 | | 0.5 | U |
| EW-21 | 3/12/2007 | 0.93 | | 4.2 | | 0.57 | | 0.5 | U |
| EW-21 | 9/14/2007 | 0.79 | | 3.4 | | 0.45 | J | 0.5 | U |
| EW-21 | 3/18/2008 | 0.88 | | 2.8 | | 0.29 | J | 0.5 | U |
| EW-21 | 9/16/2008 | 0.71 | | 2 | | 0.28 | J | 0.5 | U |
| EW-21 | 3/6/2009 | 0.5 | U | 1.2 | | 0.5 | U | 0.5 | U |
| EW-21 | 9/29/2009 | 0.35 | J | 1.5 | | 0.5 | U | 0.5 | U |
| EW-21 | 3/22/2010 | 0.5 | U | 2.5 | | 0.5 | U | 0.5 | U |
| EW-21 | 9/20/2010 | 0.5 | U | 2.5 | | 0.5 | U | 0.5 | U |
| EW-21 | 3/8/2011 | 0.5 | U | 3 | | 0.5 | U | 0.5 | U |

Table D-2
Historical Volatile Organic Compound Concentrations
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona

| Well | Measurement Date | PCE ug/l | | TCE ug/l | | cDCE ug/l | | 1,1-DCE ug/l | |
|----------|------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| | | Report Result | Lab Qualifier |
| EW-21 | 3/8/2011 | 0.5 | U | 3 | | 0.5 | U | 0.5 | U |
| GH-MW-11 | 6/27/2002 | 4 | | 160 | | 40 | | 60 | |
| GH-MW-11 | 9/13/2002 | 4 | | 160 | | 40 | J | 40 | |
| GH-MW-11 | 12/20/2002 | 4 | | 220 | | 50 | | 50 | |
| GH-MW-11 | 3/6/2003 | 5 | | 120 | | 20 | | 30 | |
| GH-MW-11 | 9/6/2003 | 1 | U | 19 | | 32 | | 14 | |
| GH-MW-11 | 3/9/2004 | 2.1 | | 62 | | 18 | | 16 | |
| GH-MW-11 | 9/13/2004 | 13 | U | 43 | | 28 | | 13 | U |
| GH-MW-11 | 3/8/2005 | 130 | U | 30 | J | 130 | U | 52 | J |
| GH-MW-11 | 9/25/2005 | 2.5 | U | 5.3 | | 20 | | 2.5 | U |
| GH-MW-11 | 3/6/2006 | 0.47 | J | 5.8 | | 12 | | 4.8 | |
| GH-MW-11 | 9/7/2006 | 0.5 | U | 3.4 | | 12 | | 4 | |
| GH-MW-11 | 3/8/2007 | 0.5 | U | 1 | | 1.2 | | 0.65 | |
| GH-MW-11 | 3/17/2008 | 6.3 | U | 1.4 | J | 1.3 | J | 6.3 | U |
| GH-MW-11 | 3/6/2009 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| GH-MW-11 | 9/24/2009 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| GH-MW-11 | 3/23/2010 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| OU3-1M | 6/27/2002 | 1 | | 49 | | 7 | | 1 | U |
| OU3-1M | 9/11/2002 | 1 | | 22 | | 4 | | 1 | U |
| OU3-1M | 12/18/2002 | 0.9 | J | 25 | | 3 | | 1 | U |
| OU3-1M | 3/5/2003 | 0.9 | J | 25 | | 3 | | 1 | U |
| OU3-1M | 9/6/2003 | 1 | U | 11 | | 1.4 | | 1 | U |
| OU3-1M | 3/11/2004 | 0.9 | J | 12 | | 1.7 | | 1 | U |
| OU3-1M | 3/11/2004 | 0.9 | J | 12 | | 1.8 | | 1 | U |
| OU3-1M | 9/14/2004 | 0.23 | J | 5.3 | | 0.41 | J | 0.1 | J |
| OU3-1M | 9/14/2004 | 0.28 | J | 5.5 | | 0.41 | J | 0.5 | U |
| OU3-1M | 3/11/2005 | 0.82 | | 11 | | 1.2 | | 0.5 | U |
| OU3-1M | 3/11/2005 | 0.85 | | 9.3 | | 1.2 | | 0.5 | U |
| OU3-1M | 9/22/2005 | 0.82 | | 7.4 | | 1 | | 0.5 | U |
| OU3-1M | 9/22/2005 | 0.9 | | 7.8 | | 1.1 | | 0.065 | J |
| OU3-1M | 3/6/2006 | 0.93 | | 7.9 | | 1.3 | | 0.5 | U |
| OU3-1M | 3/6/2006 | 0.95 | | 8.6 | | 0.5 | U | 0.5 | U |
| OU3-1M | 9/7/2006 | 0.86 | | 6.9 | | 0.94 | | 0.5 | U |
| OU3-1M | 9/7/2006 | 0.83 | | 7 | | 0.99 | | 0.5 | U |
| OU3-1M | 3/8/2007 | 0.7 | | 5.3 | | 0.74 | | 0.5 | U |
| OU3-1M | 3/8/2007 | 0.7 | | 5.2 | | 0.74 | | 0.5 | U |
| OU3-1M | 9/11/2007 | 0.75 | | 4.8 | | 0.75 | | 0.5 | U |
| OU3-1M | 9/11/2007 | 0.74 | | 5 | | 0.76 | | 0.5 | U |
| OU3-1M | 3/18/2008 | 0.8 | | 4.2 | | 0.44 | J | 0.5 | U |
| OU3-1M | 3/18/2008 | 0.76 | | 4.1 | | 0.49 | J | 0.5 | U |
| OU3-1M | 9/18/2008 | 0.61 | | 3.3 | | 0.46 | J | 0.5 | U |
| OU3-1M | 9/18/2008 | 0.64 | | 3.4 | | 0.44 | J | 0.5 | U |
| OU3-1M | 3/10/2009 | 0.5 | U | 1.7 | | 0.21 | J | 0.5 | U |
| OU3-1M | 3/10/2009 | 0.24 | J | 1.8 | | 0.26 | J | 0.5 | U |
| OU3-1M | 9/25/2009 | 0.23 | J | 2.1 | | 0.26 | J | 0.5 | U |
| OU3-1M | 9/25/2009 | 0.31 | J | 2 | | 0.29 | J | 0.5 | U |
| OU3-1M | 3/17/2010 | 0.5 | U | 3.3 | | 0.5 | U | 0.5 | U |
| OU3-1M | 9/22/2010 | 0.5 | U | 4.7 | | 0.63 | | 0.5 | U |
| OU3-1M | 3/10/2011 | 0.5 | U | 6 | | 0.88 | | 0.5 | U |
| OU3-1D | 6/27/2002 | 1 | U | 1 | U | 1 | U | 1 | U |
| OU3-1D | 9/11/2002 | 1 | U | 1 | U | 1 | U | 1 | U |
| OU3-1D | 12/19/2002 | 1 | U | 1 | U | 1 | U | 1 | U |
| OU3-1D | 3/5/2003 | 1 | U | 1 | U | 1 | U | 1 | U |
| OU3-1D | 9/6/2003 | 1 | U | 1 | U | 1 | U | 1 | U |
| OU3-1D | 3/11/2004 | 0.6 | J | 1.1 | | 1 | U | 1 | U |
| OU3-1D | 9/14/2004 | 0.11 | J | 0.63 | | 0.11 | J | 0.5 | U |
| OU3-1D | 3/11/2005 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| OU3-1D | 9/26/2005 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| OU3-1D | 3/6/2006 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| OU3-1D | 9/7/2006 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| OU3-1D | 3/8/2007 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| OU3-1D | 9/11/2007 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| OU3-1D | 3/18/2008 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| OU3-1D | 9/18/2008 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| OU3-1D | 3/10/2009 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| OU3-1D | 9/25/2009 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| OU3-1D | 3/17/2010 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| OU3-1D | 9/22/2010 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| OU3-1D | 3/10/2011 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| OU3-2M | 6/27/2002 | 19 | | 760 | | 130 | | 16 | |
| OU3-2M | 9/12/2002 | 19 | | 390 | | 100 | | 12 | |
| OU3-2M | 12/18/2002 | 18 | | 570 | | 80 | | 10 | |
| OU3-2M | 3/5/2003 | 19 | | 540 | | 80 | | 9 | |
| OU3-2M | 9/7/2003 | 15 | | 440 | | 89 | | 9 | |
| OU3-2M | 3/2/2004 | 12 | | 350 | | 82 | | 11 | |
| OU3-2M | 9/2/2004 | 3.9 | J | 86 | | 25 | | 4.2 | U |
| OU3-2M | 3/7/2005 | 13 | | 220 | | 69 | | 12 | |
| OU3-2M | 9/21/2005 | 7 | | 220 | | 48 | | 17 | |
| OU3-2M | 3/7/2006 | 11 | | 160 | D | 42 | D | 12 | D |
| OU3-2M | 9/14/2006 | 9.1 | | 210 | D | 48 | D | 26 | D |
| OU3-2M | 3/13/2007 | 6.8 | | 190 | D | 46 | D | 16 | |
| OU3-2M | 9/12/2007 | 6.3 | | 180 | D | 38 | D | 27 | D |
| OU3-2M | 3/18/2008 | 6.3 | | 140 | D | 26 | D | 16 | |
| OU3-2M | 9/22/2008 | 5.2 | | 99 | D | 20 | D | 15 | |
| OU3-2M | 3/12/2009 | 1.5 | | 41 | D | 7.1 | | 5.9 | |
| OU3-2M | 9/22/2009 | 1.3 | | 44 | D | 6.2 | | 5.6 | |
| OU3-2M | 9/22/2009 | 1.4 | | 44 | D | 6.3 | | 5.8 | |
| OU3-2M | 3/23/2010 | 2.1 | | 52 | | 12 | | 8.7 | |

Table D-2
Historical Volatile Organic Compound Concentrations
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona

| Well | Measurement Date | PCE ug/l | | TCE ug/l | | cDCE ug/l | | 1,1-DCE ug/l | |
|---------|------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| | | Report Result | Lab Qualifier |
| OU3-2M | 3/23/2010 | 2 | | 51 | | 11 | | 8.5 | |
| OU3-2M | 9/16/2010 | 1.5 | | 39 | | 8.3 | | 7.9 | |
| OU3-2M | 3/14/2011 | 1.4 | | 31 | | 0.5 | U | 7.4 | |
| OU3-4S | 6/24/2002 | 3 | | 1 | U | 1 | U | 1 | U |
| OU3-4S | 9/9/2002 | 3 | | 1 | U | 1 | U | 1 | U |
| OU3-4S | 12/17/2002 | 4 | | 0.6 | J | 1 | U | 1 | U |
| OU3-4S | 3/3/2003 | 4 | | 0.7 | J | 1 | U | 1 | U |
| OU3-4S | 9/4/2003 | 2.5 | | 0.6 | J | 1 | U | 1 | U |
| OU3-4S | 3/4/2004 | 4 | | 21 | | 1.1 | | 1 | U |
| OU3-4S | 9/3/2004 | 2.7 | | 0.82 | | 0.25 | J | 0.5 | U |
| OU3-4S | 3/15/2005 | 3.7 | | 0.76 | | 0.14 | J | 0.5 | U |
| OU3-4S | 9/20/2005 | 2.7 | | 0.66 | | 0.5 | U | 0.5 | U |
| OU3-4S | 3/8/2006 | 5.1 | | 1.6 | | 0.5 | U | 0.5 | U |
| OU3-4S | 9/11/2006 | 5.6 | | 1 | | 0.5 | U | 0.5 | U |
| OU3-4S | 3/5/2007 | 4.5 | | 0.57 | | 0.5 | U | 0.5 | U |
| OU3-4S | 9/7/2007 | 4.6 | | 0.58 | | 0.5 | U | 0.5 | U |
| OU3-4S | 3/12/2008 | 4.5 | | 0.35 | J | 0.5 | U | 0.5 | U |
| OU3-4S | 9/16/2008 | 5 | | 0.33 | J | 0.5 | U | 0.5 | U |
| OU3-4S | 3/5/2009 | 1.8 | | 0.5 | U | 0.5 | U | 0.5 | U |
| OU3-4S | 9/23/2009 | 2.2 | | 0.27 | J | 0.5 | U | 0.5 | U |
| OU3-4S | 3/16/2010 | 2.8 | | 0.5 | U | 0.5 | U | 0.5 | U |
| OU3-4S | 9/14/2010 | 3 | | 0.5 | U | 0.5 | U | 0.5 | U |
| OU3-4S | 3/8/2011 | 3.3 | | 0.5 | U | 0.5 | U | 0.5 | U |
| OU3-5M2 | 5/23/2003 | 8.3 | | 280 | | 36 | | 6.4 | |
| OU3-5M2 | 6/6/2003 | 9.5 | | 280 | | 31 | | 6.6 | |
| OU3-5M2 | 8/12/2003 | 8 | | 200 | | 40 | | 6 | |
| OU3-5M2 | 12/3/2003 | 6.5 | | 200 | | 35 | | 5.4 | |
| OU3-5M2 | 3/4/2004 | 7.4 | | 220 | | 37 | | 4.9 | |
| OU3-5M2 | 9/8/2004 | 3.2 | | 130 | | 22 | | 2.5 | |
| OU3-5M2 | 3/9/2005 | 7 | | 160 | | 33 | | 4 | |
| OU3-5M2 | 9/26/2005 | 8.1 | | 180 | | 34 | | 5.7 | |
| OU3-5M2 | 3/2/2006 | 7.6 | D | 150 | D | 34 | D | 4.6 | D |
| OU3-5M2 | 9/8/2006 | 9.8 | | 210 | D | 32 | D | 7.2 | |
| OU3-5M2 | 3/10/2007 | 8.9 | | 200 | D | 34 | D | 9.2 | |
| OU3-5M2 | 9/13/2007 | 8.2 | | 180 | D | 31 | D | 8.6 | |
| OU3-5M2 | 3/17/2008 | 8.2 | | 200 | D | 29 | D | 7.9 | |
| OU3-5M2 | 9/19/2008 | 8.3 | | 190 | D | 30 | D | 9.6 | |
| OU3-5M2 | 3/9/2009 | 2.1 | | 68 | D | 11 | | 5.3 | |
| OU3-5M2 | 9/28/2009 | 3.1 | | 96 | D | 13 | | 5.7 | |
| OU3-5M2 | 3/24/2010 | 5.3 | | 130 | | 24 | | 11 | |
| OU3-5M2 | 3/24/2010 | 5.4 | | 140 | | 26 | | 11 | |
| OU3-5M2 | 9/21/2010 | 4.2 | | 110 | | 22 | | 12 | |
| OU3-5M2 | 3/16/2011 | 3.2 | | 73 | | 14 | | 8.7 | |
| OU3-5SR | 7/10/2003 | 5 | | 110 | | 24 | | 5 | U |
| OU3-5SR | 8/11/2003 | 4 | | 78 | | 21 | | 5 | U |
| OU3-5SR | 12/3/2003 | 3 | | 80 | | 18 | | 0.7 | J |
| OU3-5SR | 3/4/2004 | 4.6 | | 94 | | 19 | | 0.7 | J |
| OU3-5SR | 9/8/2004 | 2.2 | | 67 | | 12 | | 0.37 | J |
| OU3-5SR | 3/9/2005 | 2 | | 66 | | 11 | | 2.5 | UJ |
| OU3-5SR | 9/29/2005 | 3.6 | | 78 | | 15 | | 1.2 | |
| OU3-5SR | 3/2/2006 | 2.4 | | 42 | D | 13 | | 0.5 | U |
| OU3-5SR | 9/9/2006 | 4.5 | | 100 | D | 19 | D | 1.9 | |
| OU3-5SR | 9/13/2007 | 3.3 | | 69 | D | 19 | | 2.7 | |
| OU3-5SR | 3/17/2008 | 2.1 | | 68 | D | 13 | | 1.7 | |
| OU3-5SR | 9/19/2008 | 2.5 | | 59 | D | 12 | | 3 | |
| OU3-5SR | 3/9/2009 | 0.45 | J | 16 | | 3.1 | | 1.1 | |
| OU3-5SR | 9/28/2009 | 0.79 | | 16 | | 3.3 | | 2 | |
| OU3-5SR | 3/24/2010 | 1.8 | | 39 | | 8.4 | | 4.6 | |
| OU3-5SR | 9/21/2010 | 1.5 | | 39 | | 9.3 | | 5.6 | |
| OU3-5SR | 3/16/2011 | 1.4 | | 28 | | 6.5 | | 4.6 | |
| OU3-5MR | 7/10/2003 | 11 | | 240 | | 48 | | 5 | U |
| OU3-5MR | 8/11/2003 | 10 | | 250 | J | 49 | | 5 | U |
| OU3-5MR | 12/3/2003 | 6.2 | | 180 | | 43 | | 2.5 | |
| OU3-5MR | 12/3/2003 | 6.2 | | 200 | | 46 | | 2.2 | |
| OU3-5MR | 3/4/2004 | 6.8 | | 190 | | 38 | | 2 | |
| OU3-5MR | 9/8/2004 | 1.3 | | 54 | | 12 | | 0.49 | J |
| OU3-5MR | 9/8/2004 | 1.5 | | 47 | | 11 | | 0.54 | |
| OU3-5MR | 3/9/2005 | 7 | J | 170 | | 31 | | 13 | U |
| OU3-5MR | 3/9/2005 | 7 | J | 180 | | 32 | | 13 | U |
| OU3-5MR | 9/29/2005 | 8.3 | | 170 | | 37 | | 2.6 | |
| OU3-5MR | 9/29/2005 | 8.1 | | 170 | | 37 | | 2.6 | |
| OU3-5MR | 3/2/2006 | 9.1 | | 54 | D | 13 | D | 4.2 | |
| OU3-5MR | 3/2/2006 | 7.3 | D | 150 | D | 36 | D | 3.5 | D |
| OU3-5MR | 9/9/2006 | 9 | | 210 | D | 40 | D | 5.6 | |
| OU3-5MR | 9/9/2006 | 8.4 | | 200 | D | 40 | D | 5.1 | |
| OU3-5MR | 3/10/2007 | 6.6 | | 140 | D | 31 | D | 6 | |
| OU3-5MR | 3/10/2007 | 7.2 | | 130 | D | 30 | D | 6.5 | |
| OU3-5MR | 9/13/2007 | 8.6 | | 150 | D | 31 | D | 10 | |
| OU3-5MR | 9/13/2007 | 10 | | 130 | D | 29 | D | 13 | |
| OU3-5MR | 3/17/2008 | 5.6 | | 140 | D | 25 | D | 6.1 | |
| OU3-5MR | 3/17/2008 | 5.7 | | 150 | D | 25 | D | 6.3 | |
| OU3-5MR | 9/19/2008 | 5.9 | | 130 | D | 24 | D | 8.3 | |
| OU3-5MR | 9/19/2008 | 5.6 | | 130 | D | 26 | D | 7.9 | |
| OU3-5MR | 3/9/2009 | 1.4 | | 49 | D | 8.2 | | 4.3 | |
| OU3-5MR | 3/9/2009 | 1.5 | | 56 | D | 8.3 | | 4.4 | |
| OU3-5MR | 9/28/2009 | 2.2 | | 44 | D | 10 | | 4.9 | |
| OU3-5MR | 9/28/2009 | 2.2 | | 41 | D | 10 | | 4.8 | |
| OU3-5MR | 3/24/2010 | 3.7 | | 88 | | 18 | | 9.3 | |

Table D-2
Historical Volatile Organic Compound Concentrations
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona

| Well | Measurement Date | PCE ug/l | | TCE ug/l | | cDCE ug/l | | 1,1-DCE ug/l | |
|---------|------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| | | Report Result | Lab Qualifier |
| OU3-5MR | 9/21/2010 | 2.9 | | 71 | | 15 | | 9.7 | |
| OU3-5MR | 3/16/2011 | 2.3 | | 50 | | 10 | | 7 | |
| OU3-5DR | 7/9/2003 | 2 | U | 2 | U | 2 | U | 5 | U |
| OU3-5DR | 7/9/2003 | 2 | U | 2 | U | 2 | U | 5 | U |
| OU3-5DR | 8/12/2003 | 2 | U | 2 | U | 2 | U | 5 | U |
| OU3-5DR | 8/12/2003 | 2 | U | 2 | U | 2 | U | 5 | U |
| OU3-5DR | 12/3/2003 | 1 | U | 4.6 | | 1 | U | 1 | U |
| OU3-5DR | 3/4/2004 | 1 | | 3 | | 1 | U | 1 | U |
| OU3-5DR | 9/8/2004 | 0.32 | J | 1.1 | | 0.22 | J | 0.21 | J |
| OU3-5DR | 3/9/2005 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| OU3-5DR | 9/29/2005 | 0.5 | U | 0.66 | | 0.5 | U | 0.5 | U |
| OU3-5DR | 3/2/2006 | 0.5 | U | 0.52 | | 0.5 | U | 0.5 | U |
| OU3-5DR | 9/9/2006 | 0.5 | U | 0.67 | | 0.5 | U | 0.5 | U |
| OU3-5DR | 3/10/2007 | 0.5 | U | 0.61 | | 0.5 | U | 0.5 | U |
| OU3-5DR | 9/13/2007 | 0.5 | U | 0.56 | | 0.5 | U | 0.5 | U |
| OU3-5DR | 3/17/2008 | 0.5 | U | 0.27 | J | 0.5 | U | 0.5 | U |
| OU3-5DR | 9/19/2008 | 0.5 | U | 0.39 | J | 0.5 | U | 0.5 | U |
| OU3-5DR | 3/9/2009 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| OU3-5DR | 9/28/2009 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| OU3-5DR | 3/24/2010 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| OU3-5DR | 9/21/2010 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| OU3-5DR | 3/16/2011 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| OU3-6M | 4/22/2002 | 2 | | 50 | | 11 | | 22 | |
| OU3-6M | 6/28/2002 | 2 | | 110 | | 18 | | 40 | |
| OU3-6M | 9/13/2002 | 2 | | 74 | | 21 | | 36 | |
| OU3-6M | 12/19/2002 | 2 | | 90 | | 17 | | 40 | |
| OU3-6M | 3/6/2003 | 2 | | 80 | | 14 | | 40 | |
| OU3-6M | 9/6/2003 | 1.6 | | 55 | | 14 | | 22 | |
| OU3-6M | 3/9/2004 | 1.9 | | 46 | | 10 | | 21 | |
| OU3-6M | 3/9/2004 | 2.2 | | 52 | | 11 | | 24 | |
| OU3-6M | 9/13/2004 | 0.34 | J | 11 | | 2.4 | | 4.8 | |
| OU3-6M | 9/13/2004 | 0.3 | J | 10 | | 2.4 | | 4.6 | |
| OU3-6M | 3/8/2005 | 1.5 | J | 41 | | 9 | | 22 | |
| OU3-6M | 9/28/2005 | 1.3 | | 26 | | 6.5 | | 15 | |
| OU3-6M | 3/6/2006 | 0.9 | | 16 | | 4.3 | | 10 | |
| OU3-6M | 9/7/2006 | 0.67 | | 14 | | 3.5 | | 9.8 | |
| OU3-6M | 3/8/2007 | 0.61 | | 11 | | 2.6 | | 7.2 | |
| OU3-6M | 9/12/2007 | 0.61 | | 8.7 | | 2.4 | | 6.1 | |
| OU3-6M | 3/14/2008 | 0.43 | J | 6.2 | | 1.3 | | 4 | |
| OU3-6M | 9/18/2008 | 0.19 | J | 2.1 | | 0.59 | | 1.7 | |
| OU3-6M | 3/6/2009 | 0.5 | U | 1.2 | | 0.28 | J | 0.92 | |
| OU3-6M | 9/24/2009 | 0.5 | U | 0.92 | | 0.21 | J | 0.74 | |
| OU3-6M | 3/23/2010 | 0.5 | U | 1.3 | | 0.5 | U | 0.83 | |
| OU3-6M | 9/22/2010 | 0.5 | U | 0.63 | | 0.5 | U | 0.5 | U |
| OU3-6M | 3/14/2011 | 0.5 | U | 0.73 | | 0.5 | U | 0.5 | U |
| OU3-6D | 4/22/2002 | 1 | U | 4 | | 1 | U | 1 | U |
| OU3-6D | 6/28/2002 | 1 | U | 5 | | 1 | U | 1 | U |
| OU3-6D | 9/13/2002 | 1 | U | 5 | | 1 | U | 1 | U |
| OU3-6D | 12/20/2002 | 1 | U | 4 | J | 1 | U | 1 | U |
| OU3-6D | 3/6/2003 | 1 | U | 4 | | 1 | U | 1 | U |
| OU3-6D | 9/6/2003 | 1 | U | 3 | | 1 | U | 1 | U |
| OU3-6D | 3/9/2004 | 0.8 | J | 4.8 | | 1 | U | 1 | U |
| OU3-6D | 9/13/2004 | 0.16 | J | 2.2 | | 0.5 | U | 0.5 | U |
| OU3-6D | 3/8/2005 | 0.13 | J | 2.9 | | 0.5 | U | 0.5 | U |
| OU3-6D | 3/7/2005 | 0.12 | J | 2.6 | | 0.5 | U | 0.5 | U |
| OU3-6D | 9/28/2005 | 0.5 | U | 2.3 | | 0.5 | U | 0.5 | U |
| OU3-6D | 9/28/2005 | 0.12 | J | 2.3 | | 0.5 | U | 0.5 | U |
| OU3-6D | 3/6/2006 | 0.5 | U | 1.8 | | 0.5 | U | 0.5 | U |
| OU3-6D | 3/6/2006 | 0.5 | U | 1.8 | | 0.5 | U | 0.5 | U |
| OU3-6D | 9/7/2006 | 0.5 | U | 1.7 | | 0.5 | U | 0.5 | U |
| OU3-6D | 9/7/2006 | 0.5 | U | 1.7 | | 0.5 | U | 0.5 | U |
| OU3-6D | 3/8/2007 | 0.5 | U | 1.4 | | 0.5 | U | 0.5 | U |
| OU3-6D | 3/8/2007 | 0.5 | U | 1.4 | | 0.5 | U | 0.5 | U |
| OU3-6D | 9/12/2007 | 0.5 | U | 1.4 | | 0.5 | U | 0.5 | U |
| OU3-6D | 9/12/2007 | 0.5 | U | 1.3 | | 0.5 | U | 0.5 | U |
| OU3-6D | 3/14/2008 | 0.5 | U | 0.82 | | 0.5 | U | 0.5 | U |
| OU3-6D | 3/14/2008 | 0.5 | U | 0.86 | | 0.5 | U | 0.5 | U |
| OU3-6D | 9/18/2008 | 0.5 | U | 0.7 | | 0.5 | U | 0.5 | U |
| OU3-6D | 9/18/2008 | 0.5 | U | 0.68 | | 0.5 | U | 0.5 | U |
| OU3-6D | 3/6/2009 | 0.5 | U | 0.33 | J | 0.5 | U | 0.5 | U |
| OU3-6D | 3/6/2009 | 0.5 | U | 0.3 | J | 0.5 | U | 0.5 | U |
| OU3-6D | 9/24/2009 | 0.5 | U | 0.3 | J | 0.5 | U | 0.5 | U |
| OU3-6D | 9/24/2009 | 0.5 | U | 0.27 | J | 0.5 | U | 0.5 | U |
| OU3-6D | 3/23/2010 | 0.5 | U | 0.52 | | 0.5 | U | 0.5 | U |
| OU3-6D | 9/22/2010 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| OU3-6D | 3/14/2011 | 0.5 | U | 0.63 | | 0.5 | U | 0.5 | U |
| OU3-7S | 4/23/2002 | 2 | | 1 | U | 1 | U | 1 | U |
| OU3-7S | 6/26/2002 | 4 | | 0.5 | J | 1 | U | 1 | U |
| OU3-7S | 9/10/2002 | 3 | | 1 | | 0.5 | J | 1 | U |
| OU3-7S | 12/18/2002 | 3 | | 1 | | 0.5 | J | 1 | U |
| OU3-7S | 3/4/2003 | 3 | | 1 | | 1 | U | 1 | U |
| OU3-7S | 9/4/2003 | 2.6 | | 3.1 | | 1 | U | 1 | U |
| OU3-7S | 3/5/2004 | 3.2 | | 4.6 | | 1 | U | 1 | U |
| OU3-7S | 9/10/2004 | 2.3 | | 1.9 | | 0.34 | J | 0.5 | U |
| OU3-7S | 3/11/2005 | 3.2 | | 0.5 | | 0.22 | J | 0.5 | U |
| OU3-7S | 9/25/2005 | 2.6 | | 0.85 | | 0.5 | U | 0.5 | U |
| OU3-7S | 3/7/2006 | 3.5 | | 0.63 | | 0.5 | U | 0.5 | U |
| OU3-7S | 9/8/2006 | 2.9 | | 0.64 | | 0.5 | U | 0.5 | U |

Table D-2
Historical Volatile Organic Compound Concentrations
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona

| Well | Measurement Date | PCE ug/l | | TCE ug/l | | cDCE ug/l | | 1,1-DCE ug/l | |
|---------|------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| | | Report Result | Lab Qualifier |
| OU3-7S | 3/9/2007 | 3.4 | | 0.62 | | 0.5 | U | 0.5 | U |
| OU3-7S | 9/11/2007 | 3.1 | | 0.59 | | 0.5 | U | 0.5 | U |
| OU3-7S | 3/12/2008 | 3.5 | | 0.32 | J | 0.5 | U | 0.5 | U |
| OU3-7S | 9/16/2008 | 4.1 | | 0.38 | J | 0.5 | U | 0.5 | U |
| OU3-7S | 3/5/2009 | 1.4 | | 0.5 | U | 0.5 | U | 0.5 | U |
| OU3-7S | 9/23/2009 | 1.7 | | 0.31 | J | 0.5 | U | 0.5 | U |
| OU3-7S | 3/18/2010 | 2.4 | | 0.5 | U | 0.5 | U | 0.5 | U |
| OU3-7S | 9/16/2010 | 2.6 | | 0.5 | U | 0.5 | U | 0.5 | U |
| OU3-7S | 3/10/2011 | 2.6 | | 0.5 | U | 0.5 | U | 0.5 | U |
| OU3-7M2 | 4/23/2002 | 1 | U | 7 | | 1 | U | 1 | U |
| OU3-7M2 | 6/26/2002 | 0.5 | J | 9 | | 1 | U | 1 | U |
| OU3-7M2 | 9/11/2002 | 0.5 | J | 6 | | 1 | U | 1 | U |
| OU3-7M2 | 12/18/2002 | 0.6 | J | 6 | | 1 | U | 1 | U |
| OU3-7M2 | 3/4/2003 | 0.6 | J | 6 | | 1 | U | 1 | U |
| OU3-7M2 | 9/5/2003 | 0.5 | J | 3.4 | | 1 | U | 1 | U |
| OU3-7M2 | 3/5/2004 | 1.5 | | 7.2 | | 1 | U | 1 | U |
| OU3-7M2 | 9/10/2004 | 0.29 | J | 2.6 | | 0.21 | J | 0.12 | J |
| OU3-7M2 | 3/11/2005 | 0.99 | | 3.5 | | 0.18 | J | 0.5 | U |
| OU3-7M2 | 9/27/2005 | 0.92 | | 2.9 | | 0.18 | J | 0.5 | U |
| OU3-7M2 | 3/7/2006 | 1.2 | | 3.2 | | 0.5 | U | 0.5 | U |
| OU3-7M2 | 9/8/2006 | 1.3 | | 2.3 | | 0.5 | U | 0.5 | U |
| OU3-7M2 | 3/9/2007 | 1.2 | | 2.5 | | 0.5 | U | 0.5 | U |
| OU3-7M2 | 9/11/2007 | 1.2 | | 2 | | 0.5 | U | 0.5 | U |
| OU3-7M2 | 3/12/2008 | 1.3 | | 1.6 | | 0.5 | U | 0.5 | U |
| OU3-7M2 | 9/16/2008 | 1.5 | | 1.4 | | 0.5 | U | 0.5 | U |
| OU3-7M2 | 3/5/2009 | 0.49 | J | 0.51 | | 0.5 | U | 0.5 | U |
| OU3-7M2 | 9/23/2009 | 0.66 | | 0.62 | | 0.5 | U | 0.5 | U |
| OU3-7M2 | 3/18/2010 | 0.99 | | 1.4 | | 0.5 | U | 0.5 | U |
| OU3-7M2 | 9/16/2010 | 1.2 | | 1.2 | | 0.5 | U | 0.5 | U |
| OU3-7M2 | 3/10/2011 | 1.4 | | 1.2 | | 0.5 | U | 0.5 | U |
| OU3-8S | 6/25/2002 | 0.9 | J | 33 | | 3 | | 1 | U |
| OU3-8S | 9/10/2002 | 0.8 | J | 23 | | 2 | | 1 | U |
| OU3-8S | 12/17/2002 | 0.8 | J | 26 | | 3 | | 1 | U |
| OU3-8S | 3/3/2003 | 1 | | 26 | | 3 | | 1 | U |
| OU3-8S | 9/5/2003 | 1 | U | 11 | | 1.2 | | 1 | U |
| OU3-8S | 9/5/2003 | 0.5 | J | 15 | | 1.6 | | 1 | U |
| OU3-8S | 3/3/2004 | 1.4 | | 20 | | 2.1 | | 1 | U |
| OU3-8S | 9/10/2004 | 0.83 | | 13 | | 1.5 | | 0.5 | U |
| OU3-8S | 3/15/2005 | 0.78 | | 14 | | 1.5 | | 0.5 | U |
| OU3-8S | 9/21/2005 | 0.6 | | 11 | | 1.5 | | 0.5 | U |
| OU3-8S | 3/3/2006 | 0.92 | | 15 | | 2.1 | | 0.5 | U |
| OU3-8S | 9/13/2006 | 1.4 | | 14 | | 1.4 | | 0.5 | U |
| OU3-8S | 3/12/2007 | 1.1 | | 11 | | 1.4 | | 0.5 | U |
| OU3-8S | 9/10/2007 | 1.3 | | 8.6 | | 0.99 | | 0.5 | U |
| OU3-8S | 3/13/2008 | 1.3 | | 9.3 | | 0.82 | | 0.5 | U |
| OU3-8S | 9/17/2008 | 1.5 | | 7.5 | | 0.73 | | 0.5 | U |
| OU3-8S | 3/4/2009 | 0.45 | J | 4 | | 0.44 | J | 0.5 | U |
| OU3-8S | 9/22/2009 | 0.6 | | 3.3 | | 0.43 | J | 0.5 | U |
| OU3-8S | 3/19/2010 | 1 | | 8.9 | | 1.2 | | 0.5 | U |
| OU3-8S | 9/17/2010 | 1 | | 8.2 | | 1.1 | | 0.5 | U |
| OU3-8S | 3/11/2011 | 0.91 | | 11 | | 1.5 | | 0.5 | U |
| OU3-8M2 | 6/25/2002 | 0.7 | J | 49 | | 3 | | 1 | U |
| OU3-8M2 | 9/11/2002 | 0.6 | J | 37 | | 2 | | 1 | U |
| OU3-8M2 | 12/17/2002 | 0.7 | J | 68 | | 2 | | 1 | U |
| OU3-8M2 | 3/4/2003 | 1 | U | 45 | | 2 | | 1 | U |
| OU3-8M2 | 9/5/2003 | 1 | U | 38 | | 1.5 | | 1 | U |
| OU3-8M2 | 3/3/2004 | 1.1 | | 34 | | 1.8 | | 1 | U |
| OU3-8M2 | 9/10/2004 | 0.23 | J | 10 | | 0.5 | U | 0.5 | U |
| OU3-8M2 | 3/14/2005 | 0.39 | J | 26 | | 1.2 | | 0.5 | U |
| OU3-8M2 | 9/27/2005 | 0.7 | | 32 | | 1.9 | | 0.5 | U |
| OU3-8M2 | 3/3/2006 | 0.82 | | 12 | D | 2.6 | | 0.5 | U |
| OU3-8M2 | 9/13/2006 | 0.93 | | 42 | D | 2.8 | | 0.5 | U |
| OU3-8M2 | 3/12/2007 | 0.75 | | 23 | D | 2.4 | | 0.24 | J |
| OU3-8M2 | 9/10/2007 | 0.71 | | 30 | D | 2.2 | | 0.16 | J |
| OU3-8M2 | 3/13/2008 | 0.65 | | 24 | D | 1.4 | | 0.5 | U |
| OU3-8M2 | 9/17/2008 | 0.91 | | 27 | D | 1.8 | | 0.5 | U |
| OU3-8M2 | 3/4/2009 | 0.3 | J | 11 | | 0.89 | | 0.5 | U |
| OU3-8M2 | 9/22/2009 | 0.44 | J | 14 | | 1.3 | | 0.5 | U |
| OU3-8M2 | 3/19/2010 | 0.69 | | 23 | | 2.3 | | 0.5 | U |
| OU3-8M2 | 9/17/2010 | 0.97 | | 33 | | 3.4 | | 0.5 | U |
| OU3-8M2 | 3/11/2011 | 0.97 | | 29 | | 3.6 | | 0.5 | U |
| OU3-8D | 6/26/2002 | 1 | U | 1 | U | 1 | U | 1 | U |
| OU3-8D | 9/11/2002 | 1 | U | 1 | U | 1 | U | 1 | U |
| OU3-8D | 12/17/2002 | 1 | U | 1 | U | 1 | U | 1 | U |
| OU3-8D | 3/4/2003 | 1 | U | 1 | U | 1 | U | 1 | U |
| OU3-8D | 9/5/2003 | 1 | U | 1 | U | 1 | U | 1 | U |
| OU3-8D | 3/3/2004 | 0.9 | J | 2.5 | | 1 | U | 1 | U |
| OU3-8D | 9/10/2004 | 0.5 | U | 0.19 | J | 0.5 | U | 0.5 | U |
| OU3-8D | 3/14/2005 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| OU3-8D | 9/27/2005 | 0.5 | U | 0.075 | J | 0.5 | U | 0.5 | U |
| OU3-8D | 3/3/2006 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| OU3-8D | 9/13/2006 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| OU3-8D | 3/12/2007 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| OU3-8D | 9/10/2007 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| OU3-8D | 3/13/2008 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| OU3-8D | 9/17/2008 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| OU3-8D | 3/4/2009 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| OU3-8D | 9/22/2009 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |

Table D-2
Historical Volatile Organic Compound Concentrations
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona

| Well | Measurement Date | PCE ug/l | | TCE ug/l | | cDCE ug/l | | 1,1-DCE ug/l | |
|----------|------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| | | Report Result | Lab Qualifier |
| OU3-8D | 3/19/2010 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| OU3-8D | 3/11/2011 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| OU3-9S | 6/25/2002 | 1 | | 0.6 | J | 1 | U | 1 | U |
| OU3-9S | 9/10/2002 | 2 | | 0.6 | J | 1 | U | 1 | U |
| OU3-9S | 12/17/2002 | 2 | | 0.7 | J | 1 | U | 1 | U |
| OU3-9S | 3/3/2003 | 2 | | 0.6 | J | 1 | U | 1 | U |
| OU3-9S | 9/4/2003 | 1.8 | | 1.7 | | 1 | U | 1 | U |
| OU3-9S | 3/5/2004 | 3.1 | | 6.6 | | 0.5 | J | 1 | U |
| OU3-9S | 9/13/2004 | 3.2 | | 1.9 | | 0.47 | J | 0.5 | U |
| OU3-9S | 3/14/2005 | 3.2 | | 0.72 | | 0.31 | J | 0.5 | U |
| OU3-9S | 9/21/2005 | 1.7 | | 0.51 | | 0.5 | U | 0.5 | U |
| OU3-9S | 3/27/2006 | 3.1 | | 0.73 | | 0.5 | U | 0.5 | U |
| OU3-9S | 9/13/2006 | 3 | | 1.2 | | 0.5 | U | 0.5 | U |
| OU3-9S | 3/7/2007 | 2.7 | | 0.73 | | 0.5 | U | 0.5 | U |
| OU3-9S | 9/10/2007 | 2.5 | | 0.61 | | 0.5 | U | 0.5 | U |
| OU3-9S | 3/13/2008 | 2.7 | | 0.57 | | 0.5 | U | 0.5 | U |
| OU3-9S | 9/17/2008 | 2.7 | | 0.4 | J | 0.5 | U | 0.5 | U |
| OU3-9S | 3/5/2009 | 1.1 | | 0.28 | J | 0.5 | U | 0.5 | U |
| OU3-9S | 9/23/2009 | 1.5 | | 0.31 | J | 0.5 | U | 0.5 | U |
| OU3-9S | 3/19/2010 | 2.4 | | 0.5 | U | 0.5 | U | 0.5 | U |
| OU3-9S | 9/17/2010 | 2.2 | | 0.5 | U | 0.5 | U | 0.5 | U |
| OU3-9S | 3/11/2011 | 1.9 | | 0.5 | U | 0.5 | U | 0.5 | U |
| OU3-9M2 | 3/24/2003 | 1.7 | | 7.9 | | 1 | U | 1 | U |
| OU3-9M2 | 6/6/2003 | 1.7 | | 8 | | 1 | U | 1 | U |
| OU3-9M2 | 9/7/2003 | 1.6 | | 5.3 | | 1 | U | 1 | U |
| OU3-9M2 | 12/4/2003 | 2 | | 8.2 | | 0.6 | J | 1 | U |
| OU3-9M2 | 3/5/2004 | 2.9 | | 11 | | 0.8 | J | 1 | U |
| OU3-9M2 | 3/5/2004 | 2.9 | | 11 | | 0.8 | J | 1 | U |
| OU3-9M2 | 9/13/2004 | 0.8 | | 3.8 | | 0.49 | J | 0.5 | U |
| OU3-9M2 | 9/13/2004 | 0.65 | | 3.9 | | 0.5 | | 0.5 | U |
| OU3-9M2 | 3/14/2005 | 2.6 | | 4.4 | | 0.57 | | 0.5 | U |
| OU3-9M2 | 3/14/2005 | 3.1 | | 5.3 | | 0.61 | | 0.5 | U |
| OU3-9M2 | 9/26/2005 | 2.8 | | 3.6 | | 0.57 | | 0.5 | U |
| OU3-9M2 | 9/26/2005 | 2.8 | | 3.7 | | 0.57 | | 0.5 | U |
| OU3-9M2 | 3/27/2006 | 3.1 | | 4.2 | | 0.56 | | 0.5 | U |
| OU3-9M2 | 3/27/2006 | 3.4 | | 4.7 | | 0.64 | | 0.5 | U |
| OU3-9M2 | 9/13/2006 | 3.6 | | 4 | | 0.72 | | 0.5 | U |
| OU3-9M2 | 9/13/2006 | 4.1 | | 4.3 | | 0.76 | | 0.5 | U |
| OU3-9M2 | 3/7/2007 | 3.5 | | 3.9 | | 0.67 | | 0.5 | U |
| OU3-9M2 | 3/7/2007 | 3.7 | | 4.2 | | 0.7 | | 0.5 | U |
| OU3-9M2 | 9/10/2007 | 3.7 | | 3.2 | | 0.72 | | 0.5 | U |
| OU3-9M2 | 9/10/2007 | 3.9 | | 3.5 | | 0.74 | | 0.5 | U |
| OU3-9M2 | 3/13/2008 | 4.1 | | 2.5 | | 0.46 | J | 0.5 | U |
| OU3-9M2 | 3/13/2008 | 4.2 | | 2.6 | | 0.48 | J | 0.5 | U |
| OU3-9M2 | 9/17/2008 | 4.2 | | 2.3 | | 0.45 | J | 0.5 | U |
| OU3-9M2 | 3/5/2009 | 1.5 | | 1 | | 0.5 | U | 0.5 | U |
| OU3-9M2 | 9/23/2009 | 1.7 | | 1 | | 0.23 | J | 0.5 | U |
| OU3-9M2 | 3/19/2010 | 2.7 | | 2 | | 0.5 | U | 0.5 | U |
| OU3-9M2 | 9/17/2010 | 2.6 | | 2 | | 0.5 | U | 0.5 | U |
| OU3-9M2 | 3/11/2011 | 2.4 | | 2 | | 0.5 | U | 0.5 | U |
| OU3-10M | 4/16/2003 | 9.1 | | 260 | | 40 | | 29 | |
| OU3-10M | 6/5/2003 | 8.6 | | 250 | | 39 | | 32 | |
| OU3-10M | 9/8/2003 | 6.1 | | 220 | | 43 | | 29 | |
| OU3-10M | 12/1/2003 | 6.3 | | 180 | | 36 | | 30 | |
| OU3-10M | 3/2/2004 | 7.4 | | 230 | | 45 | | 33 | |
| OU3-10M | 9/2/2004 | 0.58 | | 18 | | 5.9 | | 2.3 | |
| OU3-10M | 3/7/2005 | 10 | | 260 | | 53 | | 36 | |
| OU3-10M | 9/27/2005 | 5.6 | | 130 | | 32 | | 25 | |
| OU3-10M | 3/10/2006 | 6.8 | | 110 | D | 30 | D | 28 | J |
| OU3-10M | 9/8/2006 | 6.1 | | 130 | D | 29 | D | 25 | D |
| OU3-10M | 3/9/2007 | 4.4 | | 90 | D | 21 | D | 19 | |
| OU3-10M | 9/14/2007 | 4.2 | | 86 | D | 23 | D | 19 | D |
| OU3-10M | 3/19/2008 | 4.3 | | 97 | D | 20 | D | 16 | |
| OU3-10M | 9/23/2008 | 3.2 | | 61 | D | 15 | | 14 | |
| OU3-10M | 3/11/2009 | 0.88 | | 18 | D | 3.9 | | 4.2 | |
| OU3-10M | 9/29/2009 | 0.78 | | 15 | | 3.6 | | 4 | |
| OU3-10M | 3/22/2010 | 0.86 | | 21 | | 5 | | 5.5 | |
| OU3-10M | 9/20/2010 | 0.74 | | 15 | | 3.5 | | 5 | |
| OU3-10M | 3/15/2011 | 0.5 | U | 7.9 | | 2 | | 2.7 | |
| OU3-10M2 | 4/16/2003 | 6.3 | | 150 | | 26 | | 41 | |
| OU3-10M2 | 6/5/2003 | 6.9 | | 180 | | 27 | | 46 | |
| OU3-10M2 | 9/8/2003 | 6.9 | | 220 | | 38 | | 45 | |
| OU3-10M2 | 12/1/2003 | 4.4 | | 140 | | 31 | | 31 | |
| OU3-10M2 | 3/2/2004 | 5.8 | | 130 | | 29 | | 41 | |
| OU3-10M2 | 9/2/2004 | 0.83 | J | 11 | | 3.9 | | 3.4 | |
| OU3-10M2 | 3/7/2005 | 8.3 | | 210 | | 40 | | 53 | |
| OU3-10M2 | 9/27/2005 | 6.2 | | 140 | | 32 | | 43 | |
| OU3-10M2 | 3/10/2006 | 6.6 | | 110 | D | 26 | D | 31 | J |
| OU3-10M2 | 9/8/2006 | 8 | | 180 | D | 37 | D | 38 | D |
| OU3-10M2 | 3/9/2007 | 6.4 | | 110 | D | 23 | D | 25 | D |
| OU3-10M2 | 9/14/2007 | 5.9 | | 130 | D | 30 | D | 39 | D |
| OU3-10M2 | 3/19/2008 | 6 | | 130 | D | 27 | D | 34 | D |
| OU3-10M2 | 9/23/2008 | 5.3 | | 120 | D | 24 | D | 36 | D |
| OU3-10M2 | 3/11/2009 | 1.5 | | 46 | D | 7.8 | | 11 | |
| OU3-10M2 | 9/29/2009 | 1.5 | | 35 | D | 7.3 | | 9.9 | |
| OU3-10M2 | 3/22/2010 | 2.4 | | 65 | M2 | 14 | | 18 | |
| OU3-10M2 | 9/20/2010 | 1.6 | | 38 | | 9.7 | | 13 | |
| OU3-10M2 | 9/20/2010 | 1.7 | | 38 | | 9.6 | | 13 | |

Table D-2
Historical Volatile Organic Compound Concentrations
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona

| Well | Measurement Date | PCE ug/l | | TCE ug/l | | cDCE ug/l | | 1,1-DCE ug/l | |
|----------|------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| | | Report Result | Lab Qualifier |
| OU3-10M2 | 3/15/2011 | 1.5 | | 35 | | 7.5 | | 11 | |
| OU3-11S | 4/3/2003 | 1.8 | | 1 | U | 1 | U | 1 | U |
| OU3-11S | 6/2/2003 | 1 | | 1 | U | 1 | U | 1 | U |
| OU3-11S | 9/7/2003 | 2.4 | | 15 | | 0.8 | J | 1 | U |
| OU3-11S | 12/4/2003 | 1.4 | | 5.1 | | 1 | U | 1 | U |
| OU3-11S | 3/10/2004 | 1.4 | | 2.6 | | 1 | U | 1 | U |
| OU3-11S | 9/9/2004 | 1.5 | | 0.28 | J | 0.5 | U | 0.22 | J |
| OU3-11S | 3/10/2005 | 0.5 | U | 0.5 | UJ | 0.5 | U | 0.5 | U |
| OU3-11S | 9/23/2005 | 1.6 | | 0.73 | | 0.5 | U | 0.5 | U |
| OU3-11S | 3/10/2006 | 3.2 | | 0.65 | | 0.5 | U | 0.29 | J |
| OU3-11S | 9/6/2006 | 2.5 | | 0.5 | U | 0.5 | U | 0.5 | U |
| OU3-11S | 3/5/2007 | 1.6 | | 0.5 | U | 0.5 | U | 0.5 | U |
| OU3-11S | 9/7/2007 | 1.7 | | 0.5 | U | 0.5 | U | 0.5 | U |
| OU3-11S | 3/10/2008 | 1.1 | | 0.11 | J | 0.11 | J | 0.5 | U |
| OU3-11S | 9/15/2008 | 1.4 | | 0.18 | J | 0.13 | J | 0.13 | J |
| OU3-11S | 3/3/2009 | 0.45 | J | 0.5 | U | 0.5 | U | 0.5 | U |
| OU3-11S | 9/21/2009 | 0.88 | | 0.5 | U | 0.5 | U | 0.5 | U |
| OU3-11S | 3/16/2010 | 1 | | 0.5 | U | 0.5 | U | 0.5 | U |
| OU3-11S | 9/14/2010 | 1.4 | | 0.5 | U | 0.5 | U | 0.5 | U |
| OU3-11S | 3/8/2011 | 1.6 | | 0.5 | U | 0.5 | U | 0.5 | U |
| OU3-11M | 5/6/2003 | 1 | U | 1 | U | 1 | U | 1 | U |
| OU3-11M | 5/6/2003 | 1 | U | 1 | U | 1 | U | 1 | U |
| OU3-11M | 6/4/2003 | 1 | U | 1 | U | 1 | U | 1 | U |
| OU3-11M | 9/9/2003 | 1 | U | 1.7 | | 1 | U | 1 | U |
| OU3-11M | 9/9/2003 | 1 | U | 1.8 | | 1 | U | 1 | U |
| OU3-11M | 12/4/2003 | 0.6 | J | 5.1 | | 1 | U | 1 | U |
| OU3-11M | 3/10/2004 | 0.8 | J | 1.8 | | 1 | U | 1 | U |
| OU3-11M | 9/9/2004 | 0.18 | J | 0.69 | | 0.15 | J | 0.5 | U |
| OU3-11M | 3/10/2005 | 0.5 | UJ | 0.5 | UJ | 0.5 | U | 0.5 | U |
| OU3-11M | 9/23/2005 | 0.22 | J | 0.23 | J | 0.5 | U | 0.5 | U |
| OU3-11M | 3/10/2006 | 0.37 | J | 0.34 | J | 0.5 | U | 0.12 | J |
| OU3-11M | 9/6/2006 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| OU3-11M | 3/5/2007 | 0.5 | U | 0.5 | U | 0.32 | J | 0.5 | U |
| OU3-11M | 9/7/2007 | 0.5 | U | 0.5 | U | 0.27 | J | 0.5 | U |
| OU3-11M | 3/10/2008 | 0.14 | J | 0.14 | J | 0.19 | J | 0.5 | U |
| OU3-11M | 9/15/2008 | 0.16 | J | 0.2 | J | 0.29 | J | 0.5 | U |
| OU3-11M | 3/3/2009 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| OU3-11M | 9/21/2009 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| OU3-11M | 3/16/2010 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| OU3-11M | 9/14/2010 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| OU3-11M | 3/8/2011 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| OU3-11M2 | 4/4/2003 | 1 | U | 0.9 | J | 1 | U | 1 | U |
| OU3-11M2 | 6/4/2003 | 1 | U | 0.6 | J | 1 | U | 1 | U |
| OU3-11M2 | 9/9/2003 | 1 | U | 1.2 | | 1 | U | 1 | U |
| OU3-11M2 | 12/4/2003 | 0.5 | J | 3.1 | | 1 | U | 1 | U |
| OU3-11M2 | 3/10/2004 | 0.9 | J | 2.5 | | 1 | U | 1 | U |
| OU3-11M2 | 9/9/2004 | 0.43 | J | 5.8 | | 1.3 | | 0.38 | J |
| OU3-11M2 | 3/10/2005 | 0.5 | U | 0.5 | UJ | 0.5 | U | 0.5 | U |
| OU3-11M2 | 3/10/2005 | 0.5 | U | 0.5 | UJ | 0.5 | U | 0.5 | U |
| OU3-11M2 | 9/26/2005 | 0.078 | J | 0.29 | J | 0.27 | J | 0.5 | U |
| OU3-11M2 | 9/26/2005 | 0.08 | J | 0.28 | J | 0.26 | J | 0.5 | U |
| OU3-11M2 | 3/10/2006 | 0.5 | U | 0.17 | J | 0.5 | U | 0.5 | U |
| OU3-11M2 | 3/10/2006 | 0.13 | J | 0.28 | J | 0.5 | U | 0.5 | U |
| OU3-11M2 | 9/6/2006 | 0.5 | U | 0.5 | U | 0.47 | J | 0.5 | U |
| OU3-11M2 | 9/6/2006 | 0.5 | U | 0.5 | U | 0.51 | | 0.5 | U |
| OU3-11M2 | 3/5/2007 | 0.5 | U | 0.29 | J | 0.45 | J | 0.5 | U |
| OU3-11M2 | 3/5/2007 | 0.5 | U | 0.29 | J | 0.48 | J | 0.5 | U |
| OU3-11M2 | 9/7/2007 | 0.5 | U | 0.33 | J | 0.5 | | 0.5 | U |
| OU3-11M2 | 9/7/2007 | 0.5 | U | 0.31 | J | 0.55 | | 0.5 | U |
| OU3-11M2 | 3/10/2008 | 0.5 | U | 0.22 | J | 0.34 | J | 0.5 | U |
| OU3-11M2 | 3/10/2008 | 0.11 | J | 0.22 | J | 0.3 | J | 0.5 | U |
| OU3-11M2 | 9/15/2008 | 0.12 | J | 0.29 | J | 0.45 | J | 0.5 | U |
| OU3-11M2 | 9/15/2008 | 0.11 | J | 0.3 | J | 0.45 | J | 0.5 | U |
| OU3-11M2 | 3/3/2009 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| OU3-11M2 | 3/3/2009 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| OU3-11M2 | 9/21/2009 | 0.5 | U | 0.5 | U | 0.22 | J | 0.5 | U |
| OU3-11M2 | 9/21/2009 | 0.5 | U | 0.5 | U | 0.23 | J | 0.5 | U |
| OU3-11M2 | 3/16/2010 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| OU3-11M2 | 9/14/2010 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| OU3-11M2 | 3/8/2011 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| OU3-12M | 5/5/2003 | 4.6 | | 140 | | 23 | | 28 | |
| OU3-12M | 6/2/2003 | 0.9 | J | 34 | | 6.1 | | 9 | |
| OU3-12M | 9/8/2003 | 3.5 | | 120 | | 23 | | 31 | |
| OU3-12M | 12/2/2003 | 2.6 | | 75 | | 20 | | 32 | |
| OU3-12M | 3/8/2004 | 3.1 | | 69 | | 14 | | 24 | |
| OU3-12M | 3/8/2004 | 3.1 | | 68 | | 16 | | 23 | |
| OU3-12M | 9/3/2004 | 1.5 | | 30 | | 8.3 | | 15 | |
| OU3-12M | 9/3/2004 | 1.5 | | 31 | | 8.4 | | 15 | |
| OU3-12M | 3/15/2005 | 2.4 | | 72 | | 15 | | 26 | |
| OU3-12M | 9/22/2005 | 1.1 | | 15 | | 4.3 | | 10 | |
| OU3-12M | 3/27/2006 | 1.2 | | 13 | | 3.4 | | 9.1 | |
| OU3-12M | 9/12/2006 | 1.3 | | 16 | | 4.1 | | 12 | |
| OU3-12M | 3/6/2007 | 0.88 | | 9.8 | | 2.4 | | 7.5 | |
| OU3-12M | 9/6/2007 | 0.76 | | 7.7 | | 1.9 | | 8.2 | |
| OU3-12M | 3/14/2008 | 0.72 | | 7.1 | | 1.7 | | 5.4 | |
| OU3-12M | 9/15/2008 | 0.73 | | 4.7 | | 1.1 | | 3 | |
| OU3-12M | 3/11/2009 | 0.21 | J | 1.6 | | 0.34 | J | 1.2 | |
| OU3-12M | 9/24/2009 | 0.26 | J | 1.7 | | 0.42 | J | 1.3 | |

Table D-2
Historical Volatile Organic Compound Concentrations
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona

| Well | Measurement Date | PCE ug/l | | TCE ug/l | | cDCE ug/l | | 1,1-DCE ug/l | |
|---------|------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| | | Report Result | Lab Qualifier |
| OU3-12M | 3/18/2010 | 0.5 | U | 2.7 | | 0.78 | | 2.1 | |
| OU3-12M | 9/15/2010 | 0.5 | U | 1.8 | | 0.53 | | 1.3 | |
| OU3-12M | 3/9/2011 | 0.5 | U | 1.8 | | 0.5 | U | 0.94 | |
| OU3-12D | 5/5/2003 | 1 | U | 4.7 | J | 1 | U | 1 | U |
| OU3-12D | 6/4/2003 | 1 | U | 4.3 | | 1 | U | 1 | U |
| OU3-12D | 6/4/2003 | 1 | U | 4.4 | | 1 | U | 1 | U |
| OU3-12D | 9/8/2003 | 1 | U | 6.4 | | 1 | U | 1 | U |
| OU3-12D | 12/2/2003 | 0.5 | J | 5.4 | | 1 | U | 1 | U |
| OU3-12D | 12/2/2003 | 0.5 | J | 5.5 | | 1 | U | 1 | U |
| OU3-12D | 3/8/2004 | 0.8 | J | 4.3 | | 1 | U | 1 | U |
| OU3-12D | 9/3/2004 | 0.5 | U | 0.84 | | 0.12 | J | 0.5 | U |
| OU3-12D | 3/15/2005 | 0.5 | U | 1 | | 0.5 | U | 0.5 | U |
| OU3-12D | 9/26/2005 | 0.5 | U | 0.51 | | 0.5 | U | 0.5 | U |
| OU3-12D | 3/27/2006 | 0.5 | U | 0.88 | | 0.5 | U | 0.5 | U |
| OU3-12D | 9/12/2006 | 0.5 | U | 0.61 | | 0.5 | U | 0.5 | U |
| OU3-12D | 3/6/2007 | 0.5 | U | 0.45 | J | 0.5 | U | 0.5 | U |
| OU3-12D | 9/6/2007 | 0.5 | U | 0.57 | | 0.5 | U | 0.5 | U |
| OU3-12D | 3/14/2008 | 0.5 | U | 0.26 | J | 0.5 | U | 0.5 | U |
| OU3-12D | 9/15/2008 | 0.5 | U | 0.25 | J | 0.5 | U | 0.5 | U |
| OU3-12D | 3/11/2009 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| OU3-12D | 9/24/2009 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| OU3-12D | 3/18/2010 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| OU3-12D | 9/15/2010 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| OU3-12D | 3/9/2011 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| OU3-13M | 5/22/2003 | 1.1 | | 160 | | 7.2 | | 1 | U |
| OU3-13M | 6/3/2003 | 1.2 | | 130 | | 6.9 | | 1 | U |
| OU3-13M | 9/8/2003 | 1.6 | | 150 | | 8.7 | | 0.7 | J |
| OU3-13M | 12/2/2003 | 1.2 | | 68 | | 6.3 | | 0.6 | J |
| OU3-13M | 3/8/2004 | 1.8 | | 93 | | 6.6 | | 1 | U |
| OU3-13M | 9/7/2004 | 0.73 | | 50 | | 4.8 | | 0.42 | J |
| OU3-13M | 3/10/2005 | 1 | | 79 | | 5 | | 0.5 | UJ |
| OU3-13M | 9/25/2005 | 1.1 | | 68 | | 5 | | 0.5 | U |
| OU3-13M | 3/8/2006 | 1.2 | | 54 | D | 5.7 | | 0.27 | J |
| OU3-13M | 9/12/2006 | 1 | | 73 | D | 5.6 | | 0.5 | U |
| OU3-13M | 3/6/2007 | 1 | | 54 | D | 4.5 | | 0.33 | J |
| OU3-13M | 9/13/2007 | 0.98 | | 59 | D | 5.5 | | 0.31 | J |
| OU3-13M | 3/12/2008 | 0.83 | | 53 | D | 4.1 | | 0.5 | U |
| OU3-13M | 9/22/2008 | 1.1 | | 60 | D | 4.6 | | 0.24 | J |
| OU3-13M | 3/10/2009 | 0.33 | J | 26 | D | 1.7 | | 0.5 | U |
| OU3-13M | 9/21/2009 | 0.54 | | 47 | D | 2.4 | | 0.5 | U |
| OU3-13M | 3/25/2010 | 1.1 | | 51 | | 4.3 | | 0.5 | U |
| OU3-13M | 9/23/2010 | 0.59 | | 36 | | 3.2 | | 0.5 | U |
| OU3-13M | 3/17/2011 | 0.5 | U | 25 | | 2.4 | | 0.5 | U |
| OU3-13M | 3/17/2011 | 0.55 | | 24 | | 2.4 | | 0.5 | U |
| OU3-13D | 5/22/2003 | 1 | U | 2 | | 1 | U | 1 | U |
| OU3-13D | 6/5/2003 | 1 | U | 1.1 | | 1 | U | 1 | U |
| OU3-13D | 9/9/2003 | 1 | U | 2.1 | | 1 | U | 1 | U |
| OU3-13D | 12/2/2003 | 0.5 | J | 5.3 | | 1 | U | 0.8 | J |
| OU3-13D | 3/8/2004 | 1 | | 3.5 | | 1 | U | 1 | U |
| OU3-13D | 9/7/2004 | 0.11 | J | 1.1 | | 0.38 | J | 0.5 | U |
| OU3-13D | 3/10/2005 | 0.5 | U | 0.5 | UJ | 0.5 | U | 0.5 | U |
| OU3-13D | 9/28/2005 | 0.5 | U | 0.047 | J | 0.5 | U | 0.5 | U |
| OU3-13D | 3/8/2006 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| OU3-13D | 9/12/2006 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| OU3-13D | 3/6/2007 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| OU3-13D | 9/13/2007 | 0.5 | U | 0.25 | J | 0.5 | U | 0.5 | U |
| OU3-13D | 3/12/2008 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| OU3-13D | 9/22/2008 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| OU3-13D | 3/10/2009 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| OU3-13D | 9/21/2009 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| OU3-13D | 3/25/2010 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| OU3-13D | 9/23/2010 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| OU3-13D | 3/17/2011 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| OU3-14M | 3/14/2003 | 1 | U | 2.3 | | 1 | U | 1 | U |
| OU3-14M | 6/2/2003 | 1 | U | 0.8 | J | 1 | U | 1 | U |
| OU3-14M | 9/9/2003 | 1 | U | 1.7 | | 1 | U | 1 | U |
| OU3-14M | 12/3/2003 | 1.3 | | 19 | | 1.1 | | 1 | U |
| OU3-14M | 3/8/2004 | 1.3 | | 7.7 | | 1 | U | 1 | U |
| OU3-14M | 9/7/2004 | 0.28 | J | 10 | | 2.1 | | 0.32 | J |
| OU3-14M | 3/11/2005 | 0.82 | | 0.28 | J | 0.5 | U | 0.5 | U |
| OU3-14M | 9/23/2005 | 0.84 | | 0.38 | J | 0.5 | U | 0.5 | U |
| OU3-14M | 3/8/2006 | 1 | | 0.73 | | 0.5 | U | 0.5 | U |
| OU3-14M | 9/11/2006 | 0.93 | | 0.65 | | 0.5 | U | 0.5 | U |
| OU3-14M | 3/7/2007 | 0.76 | | 0.27 | J | 0.5 | U | 0.5 | U |
| OU3-14M | 9/6/2007 | 0.81 | | 0.5 | U | 0.5 | U | 0.5 | U |
| OU3-14M | 3/10/2008 | 0.72 | | 0.5 | U | 0.5 | U | 0.5 | U |
| OU3-14M | 9/16/2008 | 0.86 | | 0.5 | U | 0.5 | U | 0.5 | U |
| OU3-14M | 3/6/2009 | 0.22 | J | 0.5 | U | 0.5 | U | 0.5 | U |
| OU3-14M | 9/25/2009 | 0.36 | J | 0.5 | U | 0.5 | U | 0.5 | U |
| OU3-14M | 3/17/2010 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| OU3-14M | 9/15/2010 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| OU3-14M | 3/9/2011 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| OU3-14D | 3/13/2003 | 1 | U | 1 | U | 1 | U | 1 | U |
| OU3-14D | 6/4/2003 | 1 | U | 1 | U | 1 | U | 1 | U |
| OU3-14D | 9/9/2003 | 1 | U | 2.5 | | 1 | U | 1 | U |
| OU3-14D | 12/3/2003 | 1.1 | | 22 | | 1.7 | | 0.6 | J |
| OU3-14D | 3/9/2004 | 1.2 | | 6.5 | | 1 | U | 0.6 | J |
| OU3-14D | 9/7/2004 | 0.5 | U | 1.4 | | 0.12 | J | 0.5 | U |

Table D-2
Historical Volatile Organic Compound Concentrations
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona

| Well | Measurement Date | PCE ug/l | | TCE ug/l | | cDCE ug/l | | 1,1-DCE ug/l | |
|----------------|------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| | | Report Result | Lab Qualifier |
| OU3-14D | 3/8/2005 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| OU3-14D | 9/26/2005 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| OU3-14D | 3/8/2006 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| OU3-14D | 9/11/2006 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| OU3-14D | 3/7/2007 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| OU3-14D | 9/6/2007 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| OU3-14D | 3/10/2008 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| OU3-14D | 9/16/2008 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| OU3-14D | 3/6/2009 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| OU3-14D | 9/25/2009 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| OU3-14D | 3/17/2010 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| OU3-14D | 9/15/2010 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| OU3-14D | 3/9/2011 | 0.5 | U | 0.5 | U | 0.5 | U | 0.5 | U |
| SC-MW-1D | 3/13/2006 | 1.6 | | 11 | | 2.9 | | 6.3 | |
| SC-MW-1D | 9/12/2006 | 1.7 | | 15 | | 3.7 | | 11 | |
| SC-MW-1D | 3/13/2007 | 1.3 | | 10 | | 2.7 | | 7.5 | |
| SC-MW-1D | 9/14/2007 | 0.99 | | 7.4 | | 2.1 | | 7.1 | |
| SC-MW-1D | 3/14/2008 | 0.93 | | 6.1 | | 1.5 | | 4.9 | |
| SC-MW-1D | 9/23/2008 | 1 | | 4.6 | | 1.1 | | 4 | |
| SC-MW-1D | 3/11/2009 | 0.29 | J | 1.5 | | 0.36 | J | 1.2 | |
| SC-MW-1D | 9/30/2009 | 0.3 | J | 1.6 | | 0.47 | J | 1 | |
| SC-MW-1D | 3/18/2010 | 0.5 | U | 2.6 | | 0.77 | | 1.9 | |
| SC-MW-1D | 9/15/2010 | 0.5 | U | 1.8 | | 0.5 | U | 1.1 | |
| SC-MW-1D | 3/9/2011 | 0.5 | U | 1.6 | | 0.5 | U | 0.84 | |
| SC-MW-5 | 12/13/2002 | 3 | | 90 | | 23 | | | |
| EW-22D | 9/28/2001 | 1 | U | 1 | U | 1 | U | | |
| EW-22S | 3/7/2003 | 9 | | 260 | | 30 | | | |
| EW-22S | 9/18/2002 | 11 | | 240 | | 30 | | | |
| EW-M | 6/1/2000 | 19 | | 330 | | 75 | | | |
| EW-M | 9/19/2002 | 13 | | 280 | | 50 | | | |
| EW-N | 9/11/2003 | 0.6 | J | 20 | | 1.7 | | | |
| EW-S | 1/11/2001 | 19 | | 390 | | 80 | | | |
| INTER-TEL MW-1 | 6/25/2002 | 1 | U | 1 | UJ | 1 | UJ | | |
| INTER-TEL MW-1 | 9/10/2002 | 0.5 | J | 0.9 | J | 1 | UJ | | |
| NW-3 | 6/27/2002 | 16 | | 430 | | 90 | | | |
| NW-5S | 9/11/2003 | 7.2 | | 190 | | 43 | | | |
| | 4/24/2003 | 1 | U | 1.4 | | 1 | U | | |
| | 4/24/2003 | 1 | U | 1.1 | | 1 | U | | |
| | 10/15/2010 | 4.1 | | 91 | | 21 | | | |
| | 10/15/2010 | 2.5 | | 64 | | 16 | | | |
| | 10/15/2010 | 2.3 | | 62 | | 14 | | | |
| | 2/6/2002 | 0.8 | J | 25 | | 2 | | | |
| | 2/7/2002 | 2 | | 65 | | 5 | | | |
| | 2/7/2002 | 2 | | 58 | | 8 | | | |
| | 2/8/2002 | 1 | U | 7 | | 1 | U | | |
| | 2/8/2002 | 1 | U | 1 | U | 1 | U | | |
| | 2/14/2002 | 19 | J | 330 | J | 50 | J | | |
| | 2/15/2002 | 1 | U | 3 | | 0.5 | J | | |
| | 4/18/2002 | 14 | | 400 | | 66 | | | |
| | 2/26/2002 | 1 | U | 4 | | 1 | U | | |
| | 2/27/2002 | 1 | U | 2 | | 1 | U | | |
| | 2/27/2002 | 1 | U | 3 | | 1 | U | | |
| | 2/28/2002 | 1 | U | 2 | | 1 | U | | |
| | 3/12/2002 | 3 | | 0.8 | J | 1 | U | | |
| | 3/12/2002 | 3 | | 0.7 | J | 1 | U | | |
| | 3/12/2002 | 1 | | 0.6 | J | 1 | U | | |
| | 3/13/2002 | 1 | | 1 | U | 1 | U | | |
| | 3/14/2002 | 1 | U | 1 | U | 1 | U | | |
| | 3/14/2002 | 1 | U | 1 | U | 1 | U | | |
| | 3/5/2002 | 3 | | 140 | | 10 | | | |
| | 3/6/2002 | 6 | | 170 | | 21 | | | |
| | 3/6/2002 | 4 | | 160 | | 14 | | | |
| | 3/7/2002 | 1 | U | 2 | | 1 | U | | |
| | 3/7/2002 | 1 | U | 2 | | 1 | U | | |
| | 2/18/2002 | 2 | | 88 | | 17 | | | |
| | 2/18/2002 | 2 | | 87 | | 16 | | | |
| | 2/18/2002 | 2 | | 79 | | 17 | | | |
| | 2/19/2002 | 2 | | 60 | | 17 | | | |
| | 2/19/2002 | 1 | U | 14 | | 1 | | | |
| | 3/19/2002 | 3 | | 0.7 | J | 1 | | | |
| | 3/19/2002 | 1 | | 1 | | 1 | U | | |
| | 3/20/2002 | 0.6 | J | 10 | | 1 | U | | |
| | 3/22/2002 | 2 | | 42 | | 5 | | | |
| | 3/23/2002 | 1 | | 43 | | 5 | | | |
| | 3/23/2002 | 1 | | 72 | | 3 | | | |
| | 3/23/2002 | 1 | U | 5 | | 1 | U | | |
| | 3/24/2002 | 1 | U | 2 | | 1 | U | | |
| | 3/26/2002 | 1 | | 1 | | 1 | U | | |
| | 3/26/2002 | 1 | | 3 | | 0.5 | J | | |
| | 3/27/2002 | 1 | | 9 | | 1 | | | |
| | 3/27/2002 | 0.9 | J | 25 | | 1 | U | | |
| OU3-5D | 6/28/2002 | 1 | U | 1 | U | 1 | U | | |
| OU3-5D | 9/12/2002 | 1 | U | 1 | U | 1 | U | | |
| OU3-5D | 12/19/2002 | 1 | U | 1 | U | 1 | U | | |
| OU3-5D | 3/6/2003 | 1 | U | 1 | U | 1 | U | | |
| OU3-5D | 6/5/2003 | 1 | U | 1 | U | 1 | U | | |
| OU3-5D | 6/5/2003 | 1 | U | 1 | U | 1 | U | | |

Table D-2
Historical Volatile Organic Compound Concentrations
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona

| Well | Measurement Date | PCE ug/l | | TCE ug/l | | cDCE ug/l | | 1,1-DCE ug/l | |
|--------|------------------|---------------|---------------|---------------|---------------|---------------|---------------|-----------------|---------------|
| | | Report Result | Lab Qualifier | Report Result | Lab Qualifier | Report Result | Lab Qualifier | Report Result | Lab Qualifier |
| OU3-5D | 8/11/2003 | 2 | U | 2 | U | 2 | U | | |
| OU3-5D | 4/19/2002 | 1 | U | 1 | U | 1 | U | | |
| OU3-5M | 6/28/2002 | 6 | | 190 | | 23 | | | |
| OU3-5M | 6/28/2002 | 7 | | 210 | | 24 | | | |
| OU3-5M | 9/12/2002 | 6 | | 100 | | 20 | J | | |
| OU3-5M | 9/12/2002 | 6 | | 140 | | 30 | J | | |
| OU3-5M | 12/19/2002 | 4 | | 160 | | 22 | | | |
| OU3-5M | 12/19/2002 | 4 | | 160 | | 22 | | | |
| OU3-5M | 3/6/2003 | 4 | | 130 | | 20 | | | |
| OU3-5M | 3/6/2003 | 5 | | 130 | | 20 | | | |
| OU3-5M | 6/3/2003 | 1.5 | | 110 | | 8.8 | | | |
| OU3-5M | 8/11/2003 | | | 64 | | 14 | | | |
| OU3-5M | 4/19/2002 | 5 | | 180 | | 23 | | | |
| OU3-5S | 4/18/2002 | 3 | | 64 | | 13 | | | |
| OU3-5S | 6/28/2002 | 2 | | 90 | | 9 | | | |
| OU3-5S | 9/12/2002 | 2 | | 39 | | 10 | | | |
| OU3-5S | 12/19/2002 | 2 | | 47 | | 7 | | | |
| OU3-5S | 3/6/2003 | 2 | | 37 | | 6 | | | |
| OU3-5S | 6/3/2003 | 1.1 | | 29 | | 3.9 | | | |
| OU3-5S | 8/11/2003 | 2 | U | 18 | | 4 | | | |

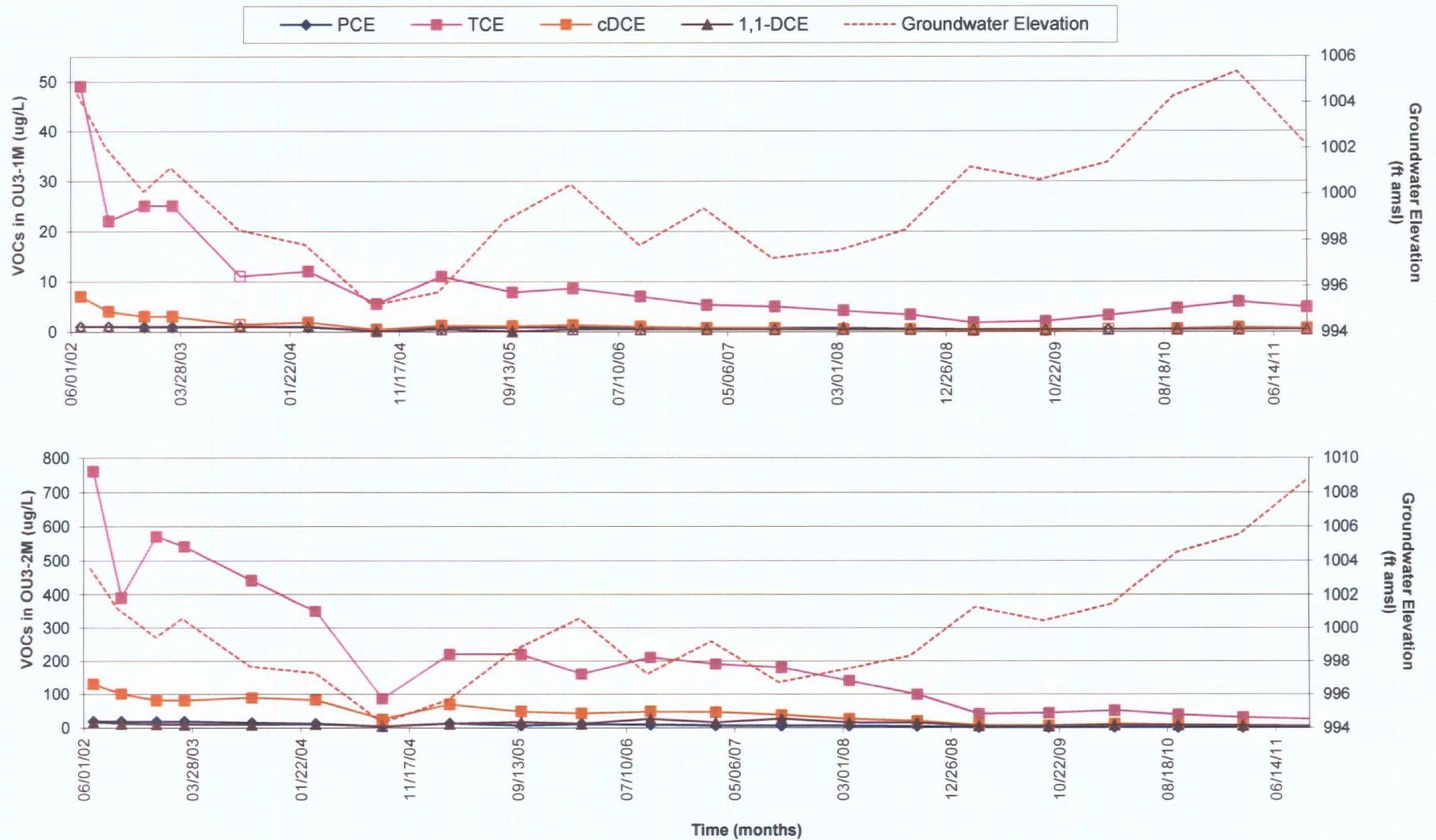
Appendix E
Time Concentration Graphs



Notes:

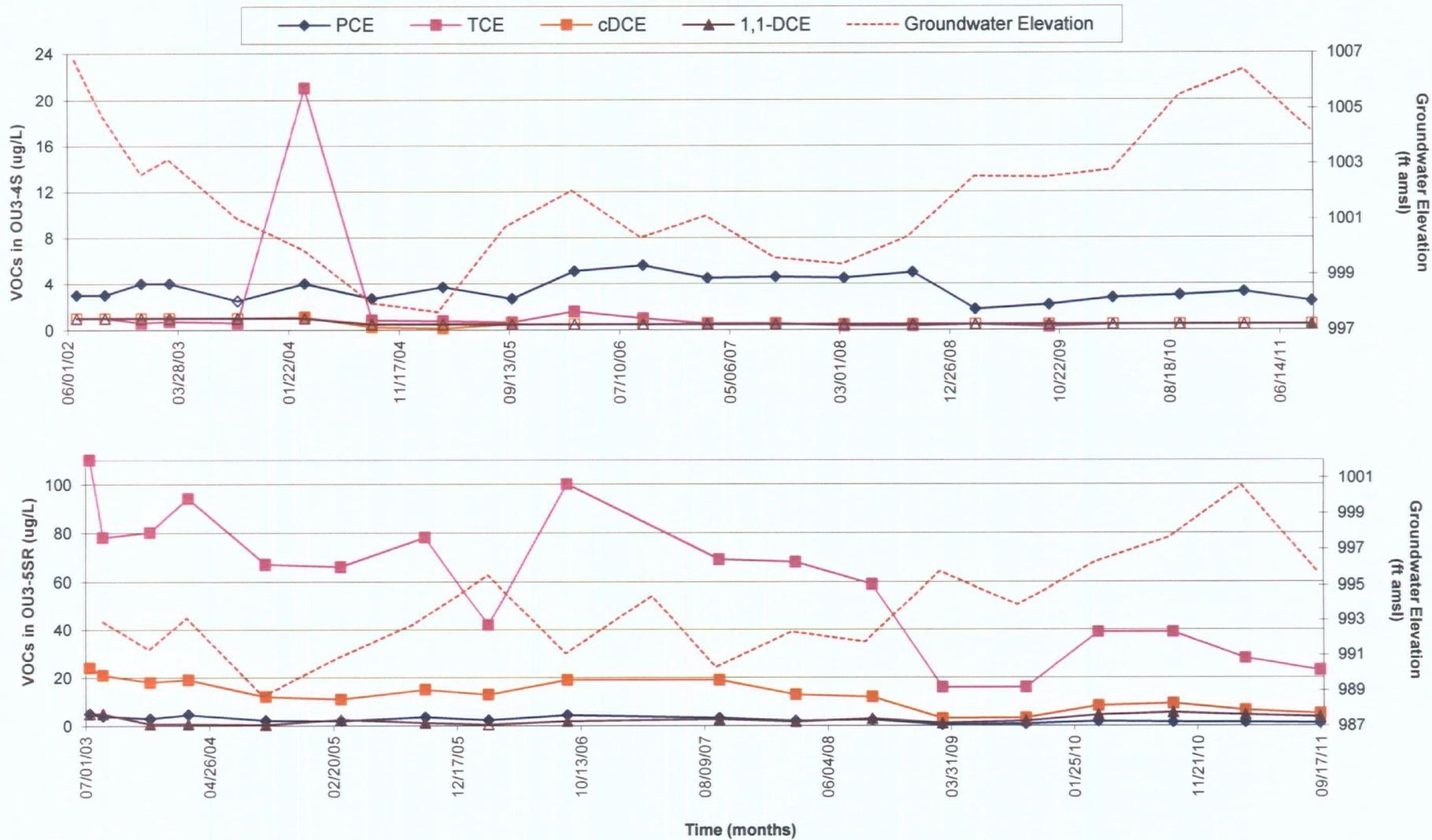
PCE = tetrachloroethene; TCE = trichloroethene; cDCE = cis-1,2-dichloroethene, 1,1-DCE = 1,1-dichloroethene
 VOCs = volatile organic compounds
 ug/L = micrograms per liter
 ft amsl = feet above mean sea level
 A hollow data point indicates that the concentration was plotted at the laboratory detection limit.
 For samples with duplicates, the higher concentration is plotted.

Appendix E
Historical Volatile Organic Compounds
SC-MW-1D and OU3-1D
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona



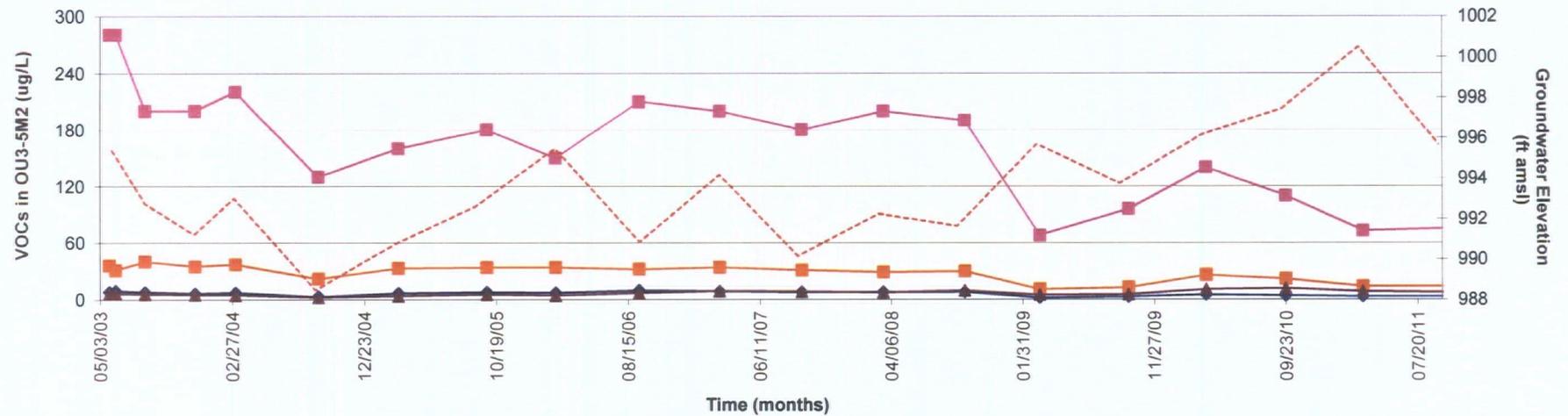
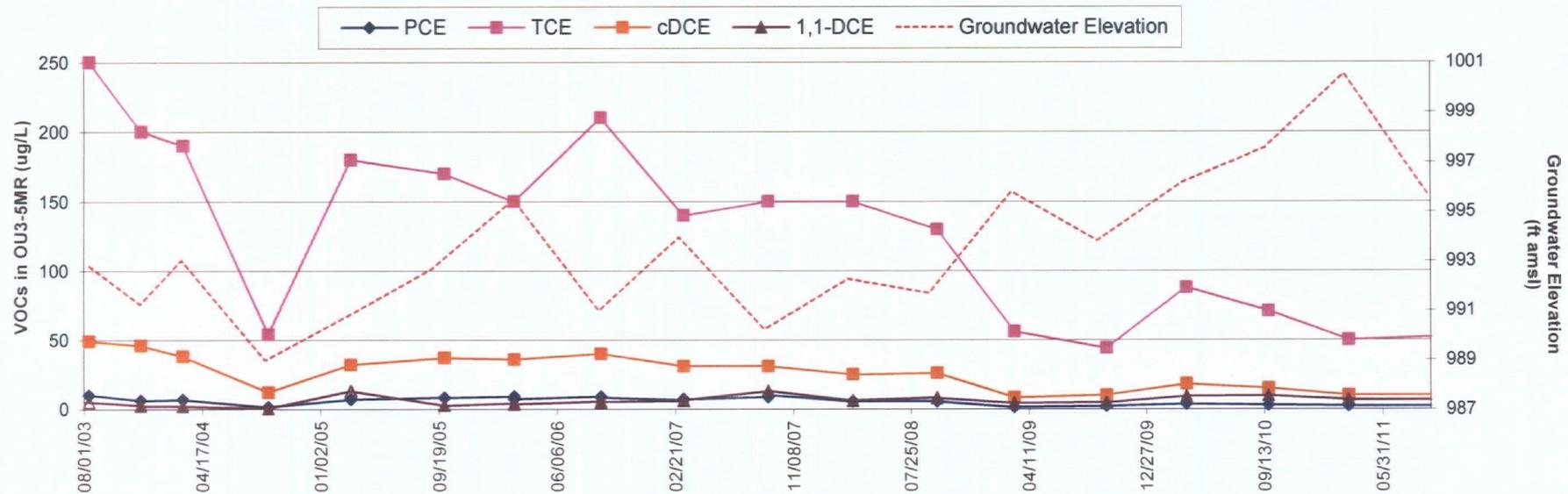
Notes:
PCE = tetrachloroethene; TCE = trichloroethene; cDCE = cis-1,2-dichloroethene, 1,1-DCE = 1,1-dichloroethene
VOCs = volatile organic compounds
ug/L = micrograms per liter
ft amsl = feet above mean sea level
A hollow data point indicates that the concentration was plotted at the laboratory detection limit.
For samples with duplicates, the higher concentration is plotted.

Appendix E
Historical Volatile Organic Compounds
OU3-1M and OU3-2M
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona



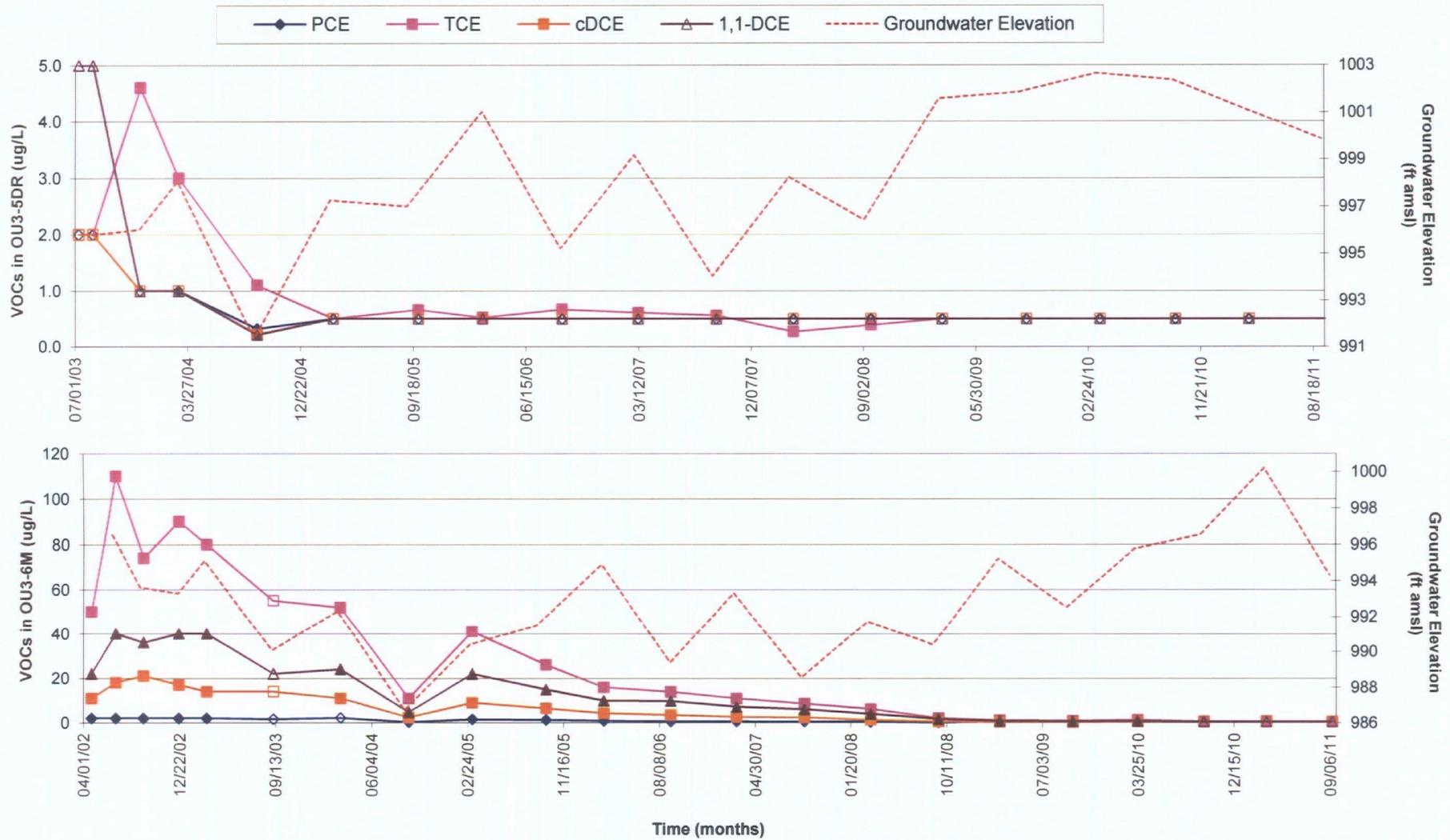
Notes:
 PCE = tetrachloroethene; TCE = trichloroethene; cDCE = cis-1,2-dichloroethene, 1,1-DCE = 1,1-dichloroethene
 VOCs = volatile organic compounds
 ug/L = micrograms per liter
 ft amsl = feet above mean sea level
 A hollow data point indicates that the concentration was plotted at the laboratory detection limit.
 For samples with duplicates, the higher concentration is plotted.

Appendix E
Historical Volatile Organic Compounds
OU3-4S and OU3-5SR
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona



Notes:
 PCE = tetrachloroethene; TCE = trichloroethene; cDCE = cis-1,2-dichloroethene, 1,1-DCE = 1,1-dichloroethene
 VOCs = volatile organic compounds
 ug/L = micrograms per liter
 ft amsl = feet above mean sea level
 A hollow data point indicates that the concentration was plotted at the laboratory detection limit.
 For samples with duplicates, the higher concentration is plotted.

Appendix E
Historical Volatile Organic Compounds
OU3-5MR and OU3-5M2
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona



Notes:

PCE = tetrachloroethene; TCE = trichloroethene; cDCE = cis-1,2-dichloroethene, 1,1-DCE = 1,1-dichloroethene
 VOCs = volatile organic compounds
 ug/L = micrograms per liter
 ft amsl = feet above mean sea level
 A hollow data point indicates that the concentration was plotted at the laboratory detection limit.
 For samples with duplicates, the higher concentration is plotted.

Appendix E
Historical Volatile Organic Compounds
OU3-5DR and OU3-6M
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona



Notes:

PCE = tetrachloroethene; TCE = trichloroethene; cDCE = cis-1,2-dichloroethene, 1,1-DCE = 1,1-dichloroethene
 VOCs = volatile organic compounds
 ug/L = micrograms per liter
 ft amsl = feet above mean sea level
 A hollow data point indicates that the concentration was plotted at the laboratory detection limit.
 For samples with duplicates, the higher concentration is plotted.

Appendix E
Historical Volatile Organic Compounds
OU3-6D and OU3-7S
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona



Notes:

PCE = tetrachloroethene; TCE = trichloroethene; cDCE = cis-1,2-dichloroethene, 1,1-DCE = 1,1-dichloroethene
 VOCs = volatile organic compounds
 ug/L = micrograms per liter
 ft amsl = feet above mean sea level
 A hollow data point indicates that the concentration was plotted at the laboratory detection limit.
 For samples with duplicates, the higher concentration is plotted.

Appendix E
Historical Volatile Organic Compounds
OU3-7M2 and OU3-8S
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona



Notes:

PCE = tetrachloroethene; TCE = trichloroethene; cDCE = cis-1,2-dichloroethene, 1,1-DCE = 1,1-dichloroethene
 VOCs = volatile organic compounds
 ug/L = micrograms per liter
 ft amsl = feet above mean sea level
 A hollow data point indicates that the concentration was plotted at the laboratory detection limit.
 For samples with duplicates, the higher concentration is plotted.

Appendix E
Historical Volatile Organic Compounds
OU3-8M2 and OU3-8D
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona



Notes:
 PCE = tetrachloroethene; TCE = trichloroethene; cDCE = cis-1,2-dichloroethene, 1,1-DCE = 1,1-dichloroethene
 VOCs = volatile organic compounds
 ug/L = micrograms per liter
 ft amsl = feet above mean sea level
 A hollow data point indicates that the concentration was plotted at the laboratory detection limit.
 For samples with duplicates, the higher concentration is plotted.

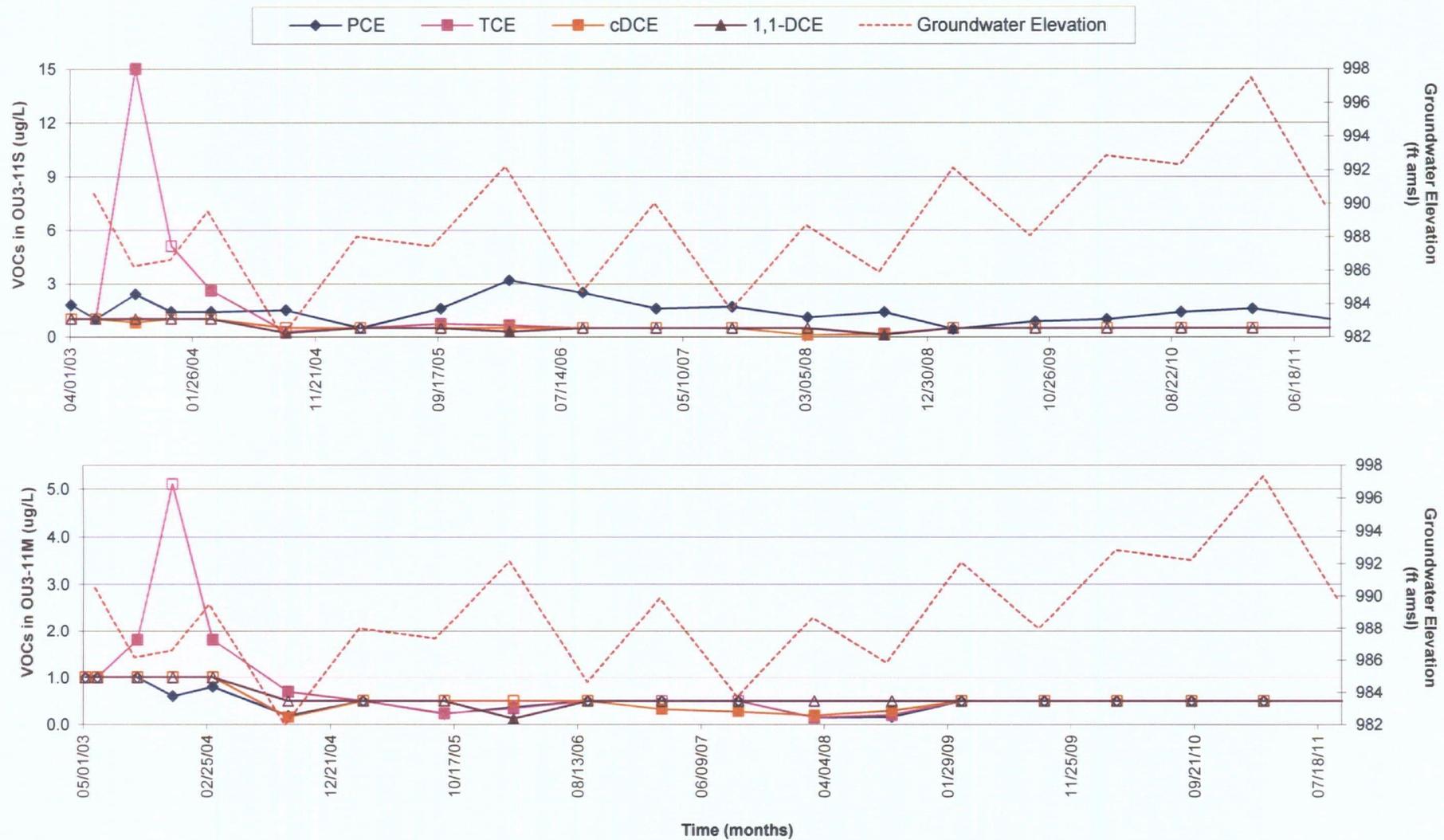
Appendix E
Historical Volatile Organic Compounds
OU3-9S and OU3-9M2
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona



Notes:

PCE = tetrachloroethene; TCE = trichloroethene; cDCE = cis-1,2-dichloroethene, 1,1-DCE = 1,1-dichloroethene
 VOCs = volatile organic compounds
 ug/L = micrograms per liter
 ft amsl = feet above mean sea level
 A hollow data point indicates that the concentration was plotted at the laboratory detection limit.
 For samples with duplicates, the higher concentration is plotted.

Appendix E
Historical Volatile Organic Compounds
OU3-10M and OU3-10M2
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona



Notes:

PCE = tetrachloroethene; TCE = trichloroethene; cDCE = cis-1,2-dichloroethene, 1,1-DCE = 1,1-dichloroethene
 VOCs = volatile organic compounds
 ug/L = micrograms per liter
 ft amsl = feet above mean sea level
 A hollow data point indicates that the concentration was plotted at the laboratory detection limit.
 For samples with duplicates, the higher concentration is plotted.

Appendix E
Historical Volatile Organic Compounds
OU3-11S and OU3-11M
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona



Notes:

PCE = tetrachloroethene; TCE = trichloroethene; cDCE = cis-1,2-dichloroethene

VOCs = volatile organic compounds

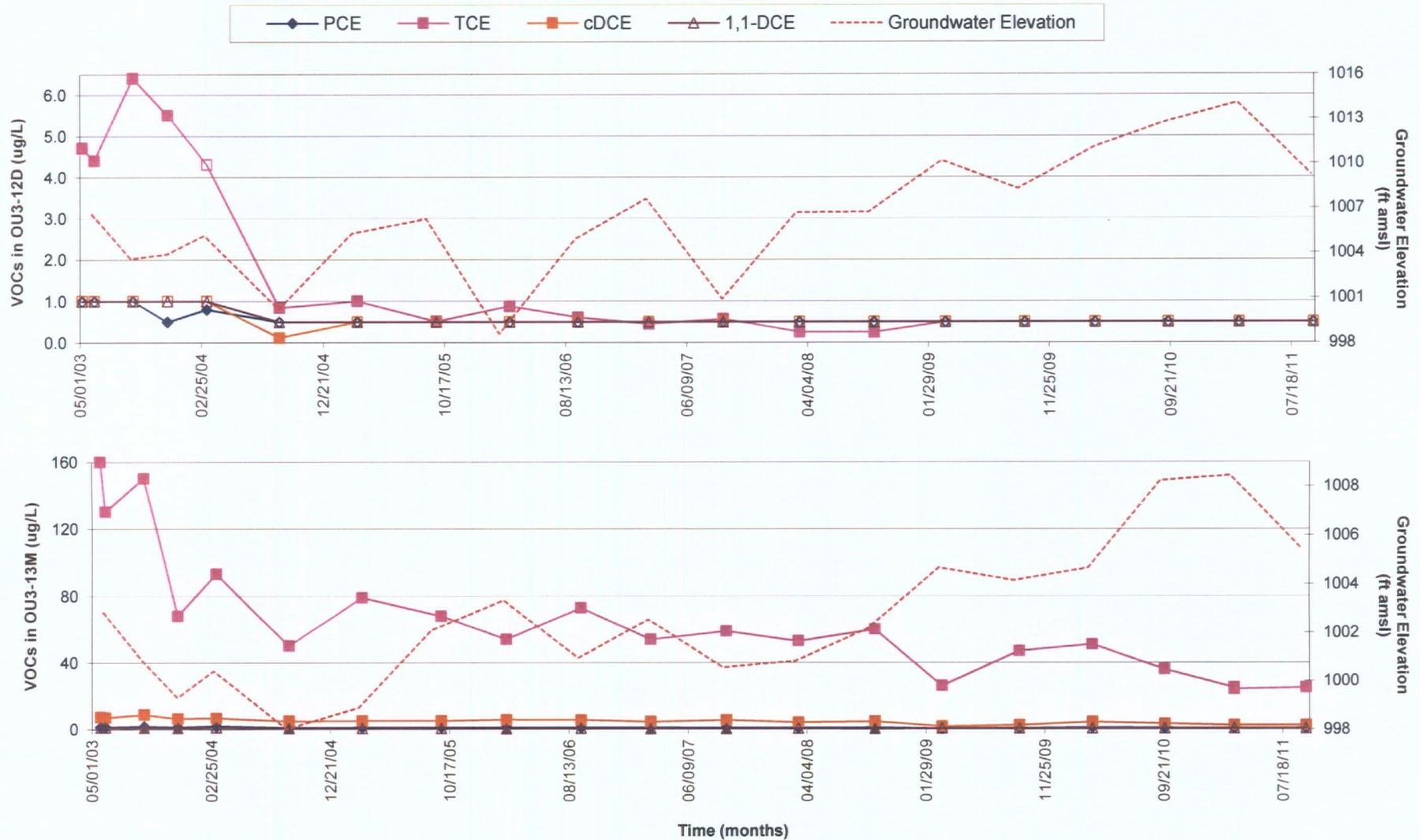
ug/L = micrograms per liter

ft amsl = feet above mean sea level

A hollow data point indicates that the concentration was plotted at the laboratory detection limit.

For samples with duplicates, the higher concentration is plotted.

Appendix E
Historical Volatile Organic Compounds
OU3-11M2 and OU3-12M
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona



Notes:

PCE = tetrachloroethene; TCE = trichloroethene; cDCE = cis-1,2-dichloroethene
 VOCs = volatile organic compounds
 ug/L = micrograms per liter
 ft amsl = feet above mean sea level
 A hollow data point indicates that the concentration was plotted at the laboratory detection limit.
 For samples with duplicates, the higher concentration is plotted.

Appendix E
 Historical Volatile Organic Compounds
 OU3-12D and OU3-13M
 Operable Unit 3
 Motorola 52nd Street Superfund Site
 Phoenix, Arizona



Notes:

PCE = tetrachloroethene; TCE = trichloroethene; cDCE = cis-1,2-dichloroethene
 VOCs = volatile organic compounds
 ug/L = micrograms per liter
 ft amsl = feet above mean sea level
 A hollow data point indicates that the concentration was plotted at the laboratory detection limit.
 For samples with duplicates, the higher concentration is plotted.

Appendix E
Historical Volatile Organic Compounds
OU3-13D and OU3-14M
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona



Notes:

PCE = tetrachloroethene; TCE = trichloroethene; cDCE = cis-1,2-dichloroethene

VOCs = volatile organic compounds

ug/L = micrograms per liter

ft amsl = feet above mean sea level

A hollow data point indicates that the concentration was plotted at the laboratory detection limit.

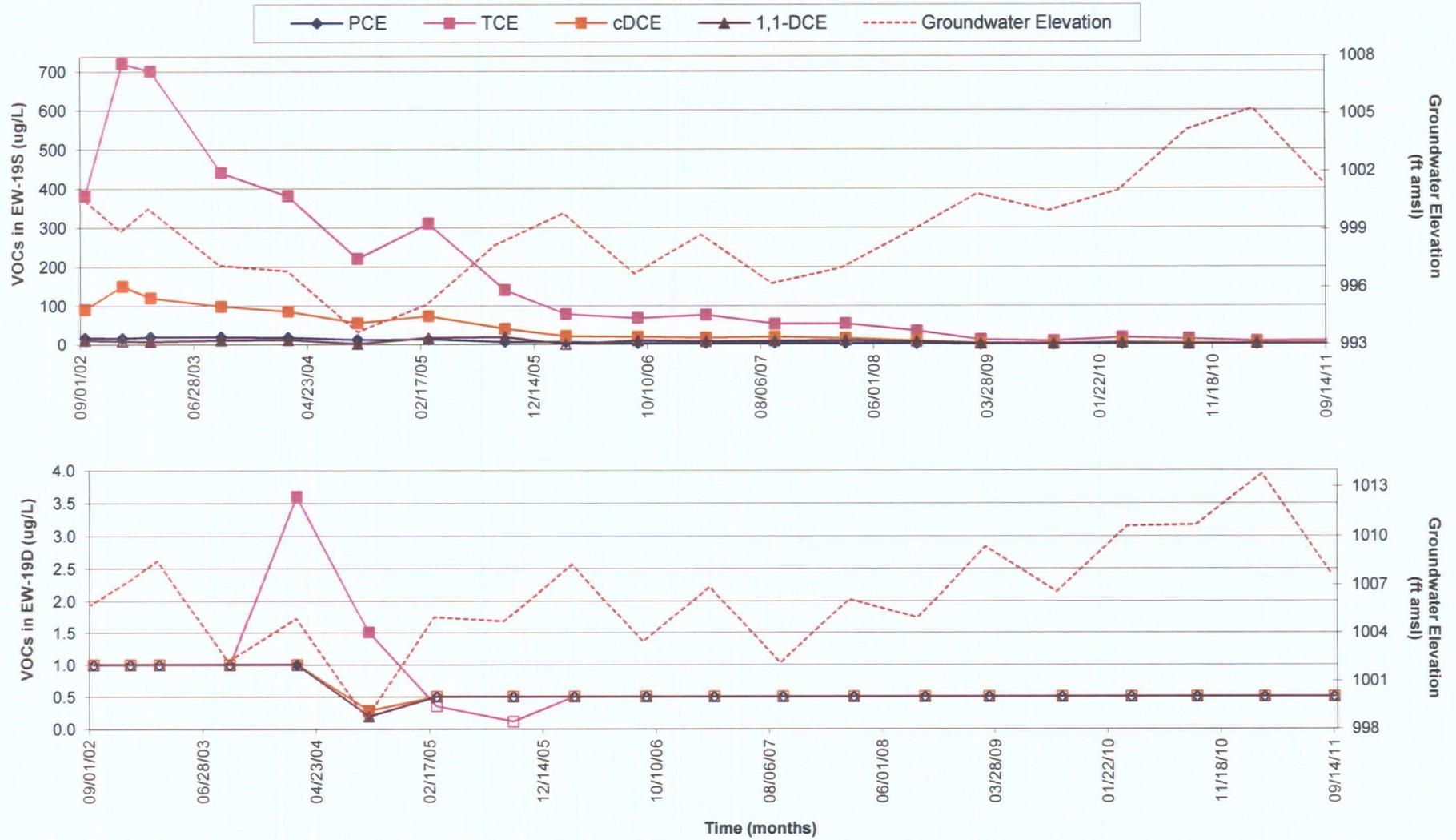
For samples with duplicates, the higher concentration is plotted.

Appendix E
Historical Volatile Organic Compounds
EW-13-228 and EW-13-268
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona



Notes:
 PCE = tetrachloroethene; TCE = trichloroethene; cDCE = cis-1,2-dichloroethene
 VOCs = volatile organic compounds
 ug/L = micrograms per liter
 ft amsl = feet above mean sea level
 A hollow data point indicates that the concentration was plotted at the laboratory detection limit.
 For samples with duplicates, the higher concentration is plotted.

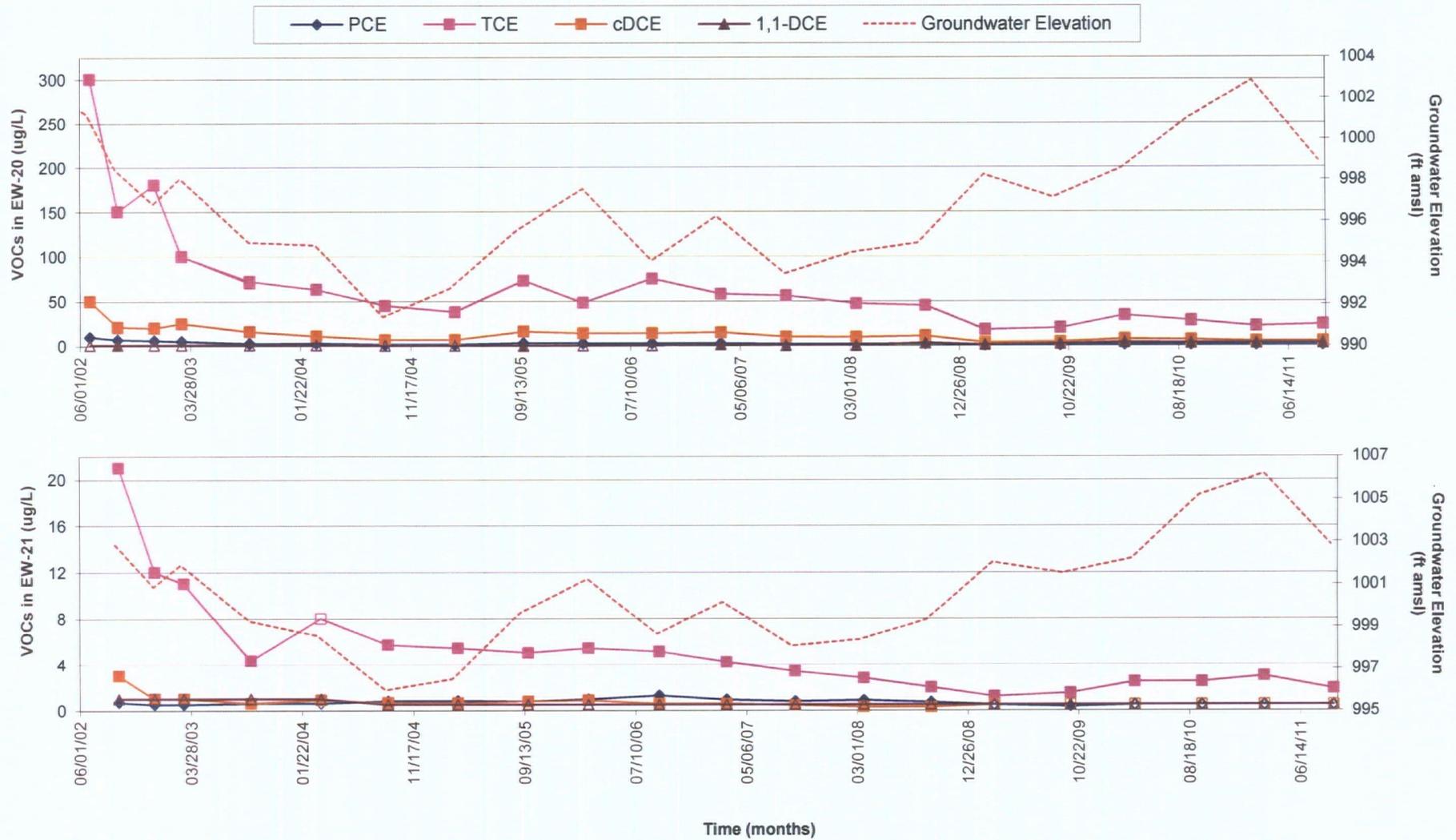
Appendix E
Historical Volatile Organic Compounds
EW-13-118 and EW-13-168
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona



Notes:

PCE = tetrachloroethene; TCE = trichloroethene; cDCE = cis-1,2-dichloroethene
 VOCs = volatile organic compounds
 ug/L = micrograms per liter
 ft amsl = feet above mean sea level
 A hollow data point indicates that the concentration was plotted at the laboratory detection limit.
 For samples with duplicates, the higher concentration is plotted.

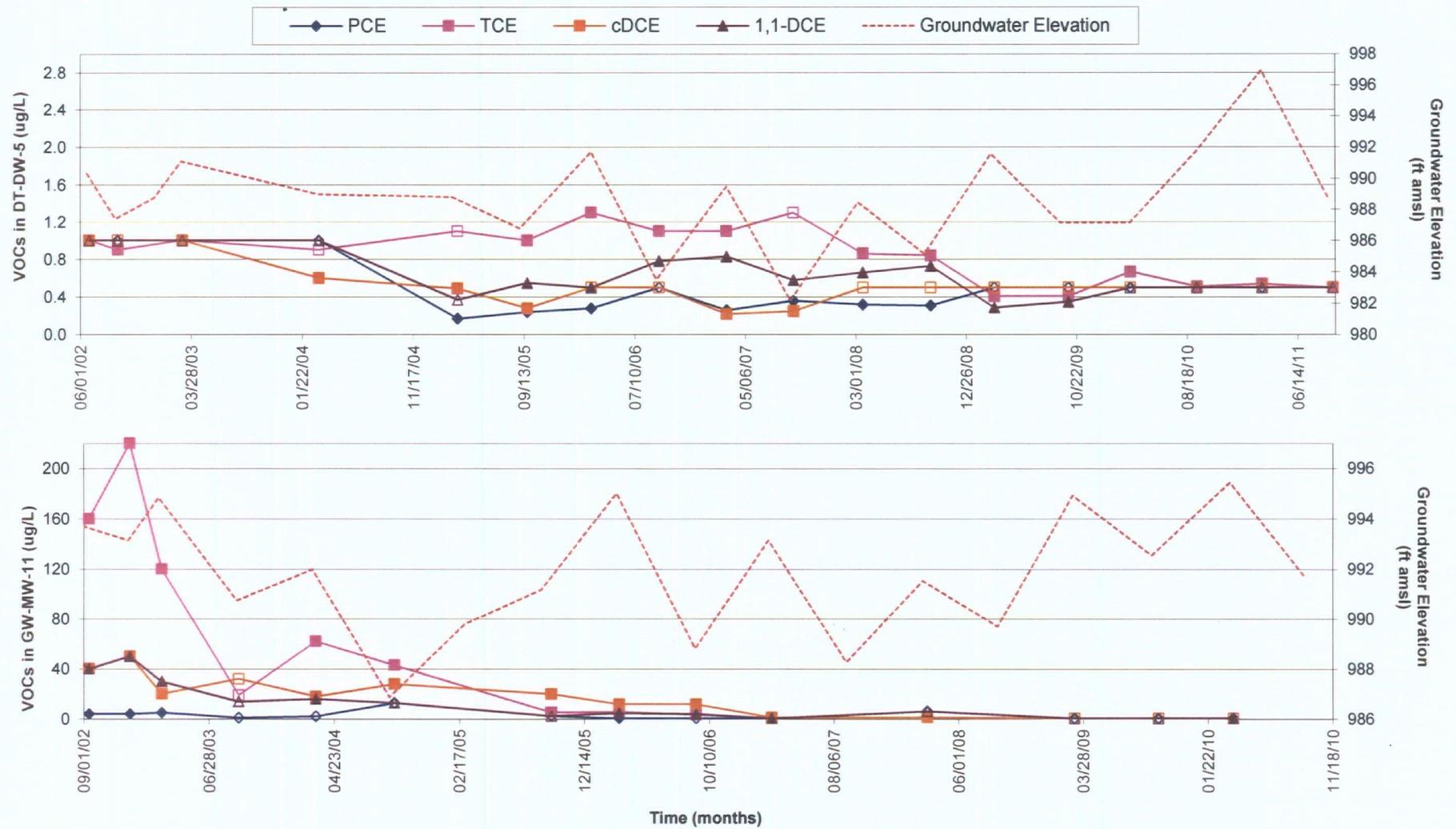
Appendix E
Historical Volatile Organic Compounds
EW-19S and EW-19D
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona



Notes:

PCE = tetrachloroethene; TCE = trichloroethene; cDCE = cis-1,2-dichloroethene
 VOCs = volatile organic compounds
 ug/L = micrograms per liter
 ft amsl = feet above mean sea level
 A hollow data point indicates that the concentration was plotted at the laboratory detection limit.
 For samples with duplicates, the higher concentration is plotted.

Appendix E
Historical Volatile Organic Compounds
EW-20 and EW-21
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona



Notes:

PCE = tetrachloroethene; TCE = trichloroethene; cDCE = cis-1,2-dichloroethene
 VOCs = volatile organic compounds
 ug/L = micrograms per liter
 ft amsl = feet above mean sea level
 A hollow data point indicates that the concentration was plotted at the laboratory detection limit.
 For samples with duplicates, the higher concentration is plotted.
 Well GW-MW-11 was last sampled in March 2010.

Appendix E
Historical Volatile Organic Compounds
DT-DW-5 and GW-MW-11
Operable Unit 3
Motorola 52nd Street Superfund Site
Phoenix, Arizona

Appendix F
Data Validation Report

DATA VALIDATION REPORT

Analytical data is the basis for evaluating the environmental conditions present at the Motorola 52nd Street Superfund Site, Operable Unit 3, Semi-Annual Groundwater Sampling Event. It is essential that the data be accurate and reflective of actual conditions.

During the September 8, 2011 through September 20, 2011 groundwater sampling event, 42 original samples and 18 QA/QC samples were collected. All data underwent a Tier 1A review, and 10% of the data was reviewed at Tier 3 to ensure that data quality was acceptable for decision-making purposes. This process identified limitations for use of the data, and/or data that should not be used for decision-making purposes. The quality of data was assessed and any necessary qualifiers were applied following the *United States Environmental Protection Agency (USEPA) Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review* (June 2008).

Laboratory Data Consultants, Inc. (LDC) validated/reviewed data for compliance with the following QA/QC project and/or method-prescribed criteria (described later in this section):

- **Holding Time and Preservation:** The period of time between collection of the sample, preparation/analysis, and acceptable temperature range of the sample. Analyses performed for this project have method-prescribed holding times and temperature ranges.
- **Calibration:** The analysis of target analytes at a range of concentrations to develop a graphical plot of instrument response against the different analyte concentrations. An initial calibration curve establishes the graphical plot, and the continuing calibration verification monitors daily instrument linearity against the initial calibration (Tier 3 review only).

- **Blank Samples:** The preparation and analysis of reagent (contaminant-free) water. Blank samples for this investigation included method blanks, trip blanks, field blanks, and equipment rinsates. Detections in a blank sample indicate laboratory and/or transportation or field contamination.
- **Spike Samples:** The preparation and analysis of an environmental sample or a sample of reagent water spiked with a subset of target compounds at known concentrations. The results of the spike analysis measure laboratory accuracy in the reagent sample, and results from the environmental sample spike measure potential interferences from the matrix.
- **Internal Standards:** The addition of compounds similar to target compounds of interest that are added to sample aliquots for organic analysis. The internal standards are used to quantitatively and qualitatively evaluate retention time and response for each sample (Tier 3 review only).
- **Surrogate Spikes:** The addition of compounds similar to target compounds of interest that are added to sample aliquots for organic analysis. Surrogate spikes measure possible interference from the sample matrix for the analysis of target compounds.
- **Duplicate Samples:** The preparation and analysis of an additional aliquot of the sample. The results from duplicate analysis measure potential heterogeneity of contaminants in the sample.

Standard qualifiers that may be applied during the review process are as follows:

- J: The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample;
- U: The analyte was not detected above the reported sample quantitation limit; and

UJ: The analyte was not detected above the reported sample quantitation limit; however, the reported quantitation limit was approximate and may or may not have represented the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

R: The sample results were rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte could not be verified.

All of the data, including data qualified as having estimated values, are acceptable and can be used for decision-making purposes.

The following discussion addresses each of the QA/QC components listed above and the results for each of the components. EPA Tier 1A documentation was required for the samples in data packages PUI0468, PUI0566, PUI0649, PUI0650, PUI0739, PUI0741, PUI0849, PUI0850, PUI0947, PUI0949, PUI1055, PUI1056, and PUI1211. The data were reviewed for each of the components listed above, with the exception of calibration and internal standard response. EPA Tier 3 review was requested for all samples in data packages PUI0650, PUI0741, PUI0849, PUI0947, and PUI1055. Results were validated from the raw data provided by the laboratory. The validation included a review of the calibration results, internal standard response, and recalculation of a portion of the raw data, as well as the areas covered in the standard data review.

Holding Time and Preservation

The EPA has established the maximum holding time that can elapse between preparation and analysis of samples. The EPA has also defined the acceptable temperature range at which samples must be stored to maintain sample preservation. Holding times and sample temperatures extending beyond the EPA maximum can negatively affect sample integrity (e.g., loss of volatile compounds, biodegradation) and are qualified depending on the severity of the exceedance and compounds of concern.

Each of the sample analysis results was reviewed for compliance with the method-prescribed preparation and analysis holding times. None of the samples were analyzed outside of the maximum allowable holding time. All samples collected were received at the laboratory in within the proper temperature range.

Calibration Results

Before an analytical instrument is used for sample analysis, the instrument must be calibrated to be within EPA method specifications. The purpose of this calibration is to ensure that the instrument is appropriately responsive to measurable chemical concentrations. If an instrument is not properly calibrated, it may not be capable of producing acceptable quantitative, qualitative, and reproducible data. For example, detected concentrations of a given compound that would still be considered valid could contain an undetermined degree of inaccuracy. In the case of nondetected results, the reporting limit would be similarly affected; such results would still be considered nondetected.

Two types of calibration data were reviewed. These were initial calibration (ICAL) and continuing calibration verification (CCV). A curve establishes a graphical plot of instrument response against the different analyte concentrations, and the CCV monitors daily instrument linearity against the initial calibration. The ICAL consisted of standards that were analyzed at five concentrations. These concentrations ranged from the reporting limit to the upper linear range of the instrument. The laboratory calculated the relative standard deviation for each of the target analytes included in the ICAL. The laboratory also calculated the relative response factors (RRFs) for the analytes in the ICAL. The reported percent relative standard deviations and RRFs were compared to the method-prescribed acceptance criteria and validation criteria during the data validation. In the case where the laboratory used a calibration curve to evaluate the compounds, all coefficients of determination (r^2) were greater than or equal to 0.990.

A CCV and ICV are analyzed every 12 hours to ensure the instrument response is still within method-performance criteria for linearity. The CCV/ICV consisted of analyzing a standard at one concentration; the concentration of this standard was generally in the mid-range of the ICAL

standard concentrations. The laboratory calculated the percent difference (%D) between CCV/ICV and the ICAL. The laboratory calculated the CCV/ICV RRFs. The %Ds and RRFs were then compared to the method-prescribed acceptance criteria and validation criteria during the data validation. Results quantitated using an unacceptable %D or RRF value may be considered semiquantitative and may be subject to some amount of error.

In data package PUI1055 for method 8260B, the CCV %D for Acetone was outside the QC limits. The associated data were qualified as estimated J/UJ on the basis of calibration outliers.

These outliers are listed in Table F-1.

Blank Samples

The purpose of a blank sample is to determine the presence and magnitude of contamination resulting from laboratory, shipping, or other sample-handling activities. Blank samples are analyzed and evaluated for detections of target compounds. If target compounds are detected in a blank sample that was initially intended to be contaminant-free, these detections indicate some element of the sample collection, transportation, or analysis activities has introduced contaminants not present in the original environmental sample aliquot. If target compounds are detected in a blank sample, then all associated data must be carefully evaluated to determine whether those results have been similarly impacted or the blank problem is an isolated occurrence not representative of other data.

The four types of blank samples routinely analyzed and reported with the groundwater samples were method blank, trip blank, field blank, and equipment blank samples. Preparation, handling, and analysis of these blank samples are summarized below.

1. The laboratory prepared method blank samples by taking an aliquot of reagent water through all of the preparation and analysis steps that the samples go through. A method blank was prepared and analyzed with each batch of environmental samples. Method blank samples monitor for potential contamination of samples from the laboratory.

2. Trip blank samples are typically analyzed with every shipment of samples for volatile organic compounds only. Field and method blank samples may occasionally be contaminated during preparation and/or analysis from ambient conditions at the laboratory. The majority of the method blank and trip blank results were nondetected, indicating laboratory and handling conditions were acceptable.
3. Field blank samples were prepared at sample collection locations by slowly pouring tap water into clean sample containers supplied by the laboratory. Field blank samples collected were labeled with an "R" identifier in the sample identification number. Field blank samples monitor for potential contamination of project samples from ambient conditions at the sample collection site.
4. Equipment blank samples were prepared at sample collection locations from the pump exterior of the sampling equipment. The identifier "EB" was used in the equipment blank sample identification number. Equipment blank samples monitor for potential cross contamination of project samples from sampling equipment.

In data package PUI0947 for method 8260B the equipment blank sample had three volatile contaminants detected. The associated samples with detected results were qualified as nondetected at the reported concentration.

In data package PUI0468 for method 8260B the equipment blank sample had three volatile contaminants detected. The associated samples with detected results were qualified as nondetected at the reported concentration.

In data package PUI0566 for method 8260B the method blank sample had one volatile contaminant detected and the equipment blank sample had three volatile contaminants detected. The associated samples with detected results were qualified as nondetected at the reported concentration.

In data package PUI0649 for method 8260B the equipment blank samples each had three volatile contaminants detected. The associated samples

with detected results were qualified as nondetected at the reported concentration.

In data package PUI0739 for method 8260B the trip blank sample had one volatile contaminant detected and the equipment blank sample had three volatile contaminants detected. The associated samples with detected results were qualified as nondetected at the reported concentration.

In data package PUI0850 for method 8260B the equipment blank sample had three volatile contaminants detected. The associated samples with detected results were qualified as nondetected at the reported concentration.

In data package PUI1056 for method 8260B the equipment blank sample had three volatile contaminants detected. The associated samples were reported as nondetected and no data required qualification.

In data package PUI0949 for method 8260B the equipment blank sample had three volatile contaminants detected. The associated samples with detected results were qualified as nondetected at the reported concentration.

For method 8270C the field blank did have any detected results.

These detections and qualifications are listed in Table F-2.

Spike Samples

A spike sample is a QC sample that is prepared and analyzed by the laboratory. The laboratory prepares, analyzes, and reports spike sample results to demonstrate their ability to properly analyze, detect, and quantify target compounds. A spike sample result is typically reported as the amount of compound detected divided by the amount spiked into the sample and is commonly referred to as percent recovery. The percent recovery is then compared to an established limit range. The two types of spike samples analyzed with the project samples were matrix spikes and blank spikes.

1. Matrix spike (MS) samples consist of an aliquot of an environmental sample that is spiked with known concentrations of a subset of target compounds. A matrix spike duplicate (MSD) sample is a second sample prepared and analyzed with the MS sample. MS samples are used to monitor potential interference from the sample matrix for target compounds. A low MS recovery may indicate low-biased sample results; a high MS recovery may indicate high-biased sample results.
2. Blank spike samples, which are commonly referred to as laboratory control samples (LCS), are an aliquot of reagent water that is spiked with known concentrations of a subset of target compounds. The LCS is used to monitor laboratory accuracy without the bias of a sample matrix. A laboratory control sample duplicate (LCSD) is a second LCS that is prepared with the first LCS. LCS and LCSD recoveries outside of acceptable limits may indicate poor laboratory accuracy. LCSD relative percent differences (RPD) outside of acceptable limits may indicate poor precision.

For method 8260B one MS/MSD recovery was not within acceptable limits. Data required qualification in data package PUI0468.

For method 8260B one MS/MSD recovery and RPD was not within acceptable limits. Data required qualification in data package PUI0566.

For method 8260B one MS/MSD recovery and RPD was not within acceptable limits. Data required qualification in data package PUI0649.

For method 8260B one MS/MSD recovery and RPD was not within acceptable limits. Data required qualification in data package PUI0739.

For method 8260B two MS/MSD recoveries and one RPD were not within acceptable limits. Data required qualification in data package PUI0850.

For method 8260B two LCS/LCSD recoveries and one RPD were not within acceptable limits. Data required qualification in data package PUI0650.

For method 8260B thirty-two LCS/LCSD recoveries and RPDs were not within acceptable limits. Data required qualification in data packages PUI0947 and PUI0949.

For method 8260B five LCS/LCSD recoveries and one RPD were not within acceptable limits. Data required qualification in data package PUI0468.

For method 8260B five LCS/LCSD recoveries were not within acceptable limits. Data required qualification in data package PUI0566.

For method 8260B two LCS/LCSD recoveries were not within acceptable limits. Data required qualification in data package PUI0649.

For method 8260B three LCS/LCSD recoveries were not within acceptable limits. Data required qualification in data package PUI0739.

For method 8260B a total of six LCS/LCSD recoveries were not within acceptable limits. Data required qualification in data package PUI0850.

For method 8270C all of the MS/MSD and LCS/LCSD recoveries and RPDs were within acceptable limits.

The MS/MSD outlier results are listed in Table F-3.

The LCS/LCSD outlier results are listed in Table F-4.

Internal Standard Responses

Under EPA methods, a given analyte list for organic compounds is segregated by chemical properties and retention time into subsets. An EPA-defined internal standard with comparable chemical properties and retention times is assigned to each subset of analytes. A known concentration of an internal standard is added to each sample including laboratory QC samples (e.g., calibration standards, MS, method blank samples) prior to analysis and the instrument internal standard response for each sample is compared to the internal standard response in the daily CCV.

The sample internal standard area count must be within the range of 0.5 to 2 times the CCV area count, and the retention time must be within ± 30 seconds of the CCV retention time. If the area count and/or retention times measured for the sample is outside these acceptance ranges, quantitation results for the associated analyte subset may be biased.

Interferences from the sample matrix are typically responsible for internal standard responses that are consistently outside acceptable ranges. Most matrix interferences cause a high or low bias.

Internal standards were added to each of the samples analyzed for volatile compound analysis. None of the data was qualified due to measured retention times. The internal standard responses were within acceptable limits, indicating minimal matrix interferences and acceptable sample quantitation.

Surrogate Spikes

A surrogate spike is similar to an internal standard; it is chemically similar to the target compounds and it is only used in organic analyses. A surrogate spike is used to assess interference from the sample matrix during the analysis. An internal standard is used to quantitate target compounds while accounting for any possible interference from the sample matrix. Surrogate spike results are typically reported in terms of percent recovery, based on the concentration of surrogate detected divided by the known amount of surrogate added to the sample aliquot.

Surrogate recoveries were compared to the limits of acceptance. All surrogate recoveries were within acceptable limits for all samples for methods 8260B and 8270C.

Field Duplicate Samples

A duplicate sample is a second aliquot of a sample that is collected, prepared, and analyzed in the same manner as the original sample. A field duplicate sample is collected to measure the precision of the method and to assess matrix heterogeneity. The USEPA has not established control criteria for field duplicate samples; therefore, sample data are not qualified on the basis of field duplicate imprecision.

Three groundwater sample was collected in duplicate and submitted for analysis. LDC calculated the relative percent difference (RPD) or actual difference between detected values in the groundwater sample duplicate pairs. The USEPA has not established control criteria based on field duplicate samples; therefore, sample data are not qualified on the basis of

field duplicate imprecision. The RPDs and actual difference indicate matrix homogeneity in the samples collected for the groundwater sampling event.

The calculated RPDs and actual difference are presented in Table F-5.

Analytical Duplicate Samples

An analytical duplicate sample is a second aliquot of a sample that is prepared and analyzed in the laboratory in the same manner as the original sample. Analytical duplicate samples are analyzed to measure the precision of the method and to assess matrix heterogeneity.

No analytical duplicates were analyzed for methods 8260B and 8270C.

Overall Assessment

All data can be used for decision-making purposes; however, the limitations indicated by the applied qualifier should be considered when using the data.

No data were found to be rejected (R). Sample results that were found to be estimated (J) are usable for limited purposes only. All other results are considered valid and usable for all purposes.

The quality of the data generated during the September 8, 2011 through September 20, 2011 investigation at the Motorola 52nd Street Superfund Site, Operable Unit 3, Semi-Annual Groundwater Sampling Event is acceptable for the preparation of technically defensible documents.

*Table F-1
 Calibrations Outside of Acceptable Limits
 Operable Unit 3
 Motorola 52nd Superfund Site, Semi-Annual 2011*

| Lab Package | Calibration Date | Associated Sample | Method | Analyte | %D | Analysis Criteria | Validation Criteria | RRF | RRF Criteria | LDC Qualifier |
|-------------|------------------|----------------------|--------|---------|----|-------------------|---------------------|-----|--------------|---------------|
| PUI1055 | 9/23/2011 | EW-13-228-D-091611** | 8260B | Acetone | 37 | ≤20.0 | ≤25.0 | NA | NA | J/UJ |
| | CCV | DT-DW-5-S-091611** | | | | | | | | |

Key:

NA = No qualified result
 ICAL = Initial calibration
 CCAL = Continuing calibration
 RRF = Relative response factor
 %D = Percent difference

J detects = Estimated detected result
 UJ = Nondetected, estimated report limit
 J/UJ = Detected results are estimated; nondetected results are estimated at the report limit
 RPD = Relative percent difference
 ** = Sample underwent Tier 3 review

*Table F-2
Blank and Associated Suspect Sample Detections
Operable Unit 3
Motorola 52nd Superfund Site, Semi-Annual 2011*

| Lab Package | Blank ID | Method | Associated Samples | Detected Compound | Reported Concentration | Report Limit | Units | LDC Qualifier |
|-------------|-----------------|--------|--------------------|----------------------|------------------------|--------------|-------|---------------|
| PUI0947 | GW-EB1-6-091511 | 8260B | See below | Bromodichloromethane | 1.9 | 0.50 | ug/L | |
| | | | | Chloroform | 7.0 | 0.50 | ug/L | |
| | | | | Dibromochloromethane | 0.92 | 0.50 | ug/L | |
| | | | OU3-13D-D-091511 | | | | | NA, ND |
| | | | OU3-2M-M-091511 | Chloroform | 0.83 | 0.50 | ug/L | 0.83U |
| PUI0468 | GW-EB1-090811 | 8260B | See below | Bromodichloromethane | 3.1 | 0.50 | ug/L | |
| | | | | Chloroform | 6.4 | 0.50 | ug/L | |
| | | | | Dibromochloromethane | 1.8 | 0.50 | ug/L | |
| | | | OU3-4S-S-090811 | Chloroform | 0.97 | 0.50 | ug/L | 0.97U |
| | | | OU3-7S-S-090811 | Chloroform | 1.2 | 0.50 | ug/L | 1.2U |
| | | | OU3-7M2-M-090811 | | | | | NA, ND |
| | | | OU3-14M-M-090811 | Chloroform | 0.58 | 0.50 | ug/L | 0.58U |
| | | | OU3-14D-D-090811 | | | | | NA, ND |
| PUI0566 | 11I0528-BLK1 | 8260B | See below | Chlorobenzene | 2.19 | 0.50 | ug/L | |
| | | | GW-L1-2-090911 | | | | | NA, ND |
| PUI0566 | GW-EB1-2-090911 | 8260B | See below | Bromodichloromethane | 3.5 | 0.50 | ug/L | |
| | | | | Chloroform | 7.8 | 0.50 | ug/L | |
| | | | | Dibromochloromethane | 1.5 | 0.50 | ug/L | |
| | | | OU3-9M2-M-090911 | Chloroform | 1.8 | 0.50 | ug/L | 1.8U |
| | | | OU3-9S-S-090911 | Chloroform | 1.3 | 0.50 | ug/L | 1.3U |
| | | | OU3-12D-D-090911 | | | | | NA, ND |
| | | | OU3-12M-M-090911 | | | | | NA, ND |
| | | | SC-MW-1D-S-090911 | Chloroform | 2.2 | 0.50 | ug/L | 2.2U |
| PUI0649 | GW-EB1-3-091211 | 8260B | See below | Bromodichloromethane | 4.5 | 0.50 | ug/L | |
| | | | | Chloroform | 9.2 | 0.50 | ug/L | |
| | | | | Dibromochloromethane | 2.1 | 0.50 | ug/L | |

*Table F-2
Blank and Associated Suspect Sample Detections
Operable Unit 3
Motorola 52nd Superfund Site, Semi-Annual 2011*

| Lab Package | Blank ID | Method | Associated Samples | Detected Compound | Reported Concentration | Report Limit | Units | LDC Qualifier | |
|-------------|-----------------|--------|--------------------|----------------------|------------------------|--------------|-------|---------------|-------|
| PUI0649 | GW-R1-1-091211 | 8260B | See below | Bromodichloromethane | 4.7 | 0.50 | ug/L | | |
| | | | | Chloroform | 9.3 | 0.50 | ug/L | | |
| | | | | Dibromochloromethane | 2.1 | 0.50 | ug/L | | |
| | | | | OU3-6D-D-091211 | | | | NA, ND | |
| | | | | OU3-6M-M-091211 | Chloroform | 0.63 | 0.50 | ug/L | 0.63U |
| | | | | OU3-1D-D-091211 | | | | NA, ND | |
| | | | | BE-MW-8-S-091211 | | | | NA, ND | |
| PUI0739 | GW-L1-4-091311 | 8260B | See below | Trichloroethene | 0.55 | 0.50 | ug/L | | |
| PUI0739 | GW-EB1-4-091311 | 8260B | See below | Bromodichloromethane | 3.6 | 0.50 | ug/L | | |
| | | | | Chloroform | 7.3 | 0.50 | ug/L | | |
| | | | | Dibromochloromethane | 1.9 | 0.50 | ug/L | | |
| | | | | OU3-10M2-M-091311 | Chloroform | 1.2 | 0.50 | ug/L | 1.2U |
| | | | | OU3-10M2-M-091311-Q1 | Chloroform | 1.2 | 0.50 | ug/L | 1.2U |
| | | | | OU3-10M-M-091311 | Chloroform | 2.5 | 0.50 | ug/L | 2.5U |
| | | | | EWOU3-10S-R-S-091311 | Chloroform | 2.2 | 0.50 | ug/L | 2.2U |
| | | | | O3-8D-D-091311 | | | | NA, ND | |
| | | | | OU3-8S-S-091311 | Chloroform | 1.4 | 0.50 | ug/L | 1.4U |
| | | | | GW-EB1-4-091311 | | | | NA, ND | |
| | GW-Z1-1-091311 | | | NA, ND | | | | | |
| PUI0850 | GW-EB1-5-091411 | 8260B | See below | Bromodichloromethane | 3.4 | 0.50 | ug/L | | |
| | | | | Chloroform | 6.8 | 0.50 | ug/L | | |
| | | | | Dibromochloromethane | 2.0 | 0.50 | ug/L | | |
| | | | | OU3-11M2-M-091411 | | | | NA, ND | |
| | | | | OU3-11M-M-091411 | | | | NA, ND | |

Table F-2
Blank and Associated Suspect Sample Detections
Operable Unit 3
Motorola 52nd Superfund Site, Semi-Annual 2011

| Lab Package | Blank ID | Method | Associated Samples | Detected Compound | Reported Concentration | Report Limit | Units | LDC Qualifier |
|-------------|-----------------|--------|---------------------|----------------------|------------------------|--------------|-------|---------------|
| | | | OU3-5M2-M-091411 | Chloroform | 0.88 | 0.50 | ug/L | 0.88U |
| | | | OU3-5MR-M-091411 | Chloroform | 1.0 | 0.50 | ug/L | 1.0U |
| | | | OU3-5MR-M-091411-Q1 | Chloroform | 1.0 | 0.50 | ug/L | 1.0U |
| | | | OU3-5DR-D-091411 | | | | | NA, ND |
| PUI1056 | GW-EB1-7-091611 | 8260B | See below | Bromodichloromethane | 1.8 | 0.50 | ug/L | |
| | | | | Chloroform | 6.5 | 0.50 | ug/L | |
| | | | | Dibromochloromethane | 0.87 | 0.50 | ug/L | |
| | | | EW-13-168-M-091611 | | | | | NA, ND |
| | | | EW-13-268-D-091611 | | | | | NA, ND |
| PUI0949 | GW-EB1-6-091511 | 8260B | See below | Bromodichloromethane | 1.9 | 0.50 | ug/L | |
| | | | | Chloroform | 7.0 | 0.50 | ug/L | |
| | | | | Dibromochloromethane | 0.92 | 0.50 | ug/L | |
| | | | OU3-13M-M-091511 | | | | | NA, ND |
| | | | EW-19D-D-091511 | | | | | NA, ND |
| | | | EW-19S-S-091511 | Chloroform | 0.86 | 0.50 | ug/L | 0.86U |
| | | | EW-20-S-091511 | Chloroform | 1.4 | 0.50 | ug/L | 1.4U |
| | | | EW-20-S-091511-Q1 | Chloroform | 1.4 | 0.50 | ug/L | 1.4U |
| PUI1211 | GW-EB1-9-092011 | 8260B | See below | Bromodichloromethane | 2.9 | 0.50 | ug/L | |
| | | | | Chloroform | 5.2 | 0.50 | ug/L | |
| | | | | Dibromochloromethane | 1.4 | 0.50 | ug/L | |
| | | | EW-13-118-S-092011 | | | | | NA, ND |

Key:

NA = No qualified result
U = Nondetected
>5X = Concent

MB = Method blank
FT = Field blank
FA = ASTM water blank

R = Equipment Rinsate
ug/L = microgram per liter
>5X = Concentration in sample was more than 5X the blank concentration

** = Sample underwent Tier 3 review

Table F-3
Matrix Spike/Matrix Spike Duplicate Recoveries & RPDs Outside of Acceptable Limits
Operable Unit 3
Motorola 52nd Superfund Site, Semi-Annual 2011

| Lab Package | MS/MSD ID | Associated Sample | Method | Compound | MS (% R) | MSD (% R) | Limit (%) | RPD | RPD Limit | LDC Qualifier |
|-------------|--|-------------------|--------|----------------------------|-----------|-----------|------------------|----------|------------|-----------------------|
| PUI0468 | OU3-7M2-M-090811MS/ OU3-7M2-M-090811MSD | OU3-7M2-M-090811 | 8260B | Styrene | 74 | 54 | 55-135 | 30 | ≤35 | J/UJ |
| PUI0566 | OU3-9M2-M-090911MS/ OU3-9M2-M-090911MSD | OU3-9M2-M-090911 | 8260B | Carbon disulfide | 100 | 68 | 65-145 | 38 | ≤25 | J detects |
| PUI0649 | OU3-6D-D-091211MS/ OU3-6D-D-091211MSD | OU3-6D-D-091211 | 8260B | Carbon disulfide | 114 | 83 | 65-145 | 31 | ≤25 | J detects |
| PUI0739 | OU3-10M2-M-091311MS/ OU3-10M2-M-091311MSD | OU3-10M2-M-091311 | 8260B | Hexachlorobutadiene | 70 | 101 | 40-150 | 36 | ≤30 | J detects |
| PUI0850 | OU3-5M2-M-091411MS/ OU3-5M2-M-091411MSD | OU3-5M2-M-091411 | 8260B | Trichloroethene Styrene | 137 58 | 59 41 | 70-125 55-135 | 19 35 | ≤25 ≤35 | NA, >4X spike J/UJ |

Key:

J detects = Estimated detected result

UJ = Nondetected, estimated report limit

J/UJ = Detected results are estimated; nondetected results are estimated at the report limit

RPD = Relative percent difference

>4X spike = Parent concentration more than 4X the spike amount in the MS/MSD

** = Sample underwent Tier 3 review

Table F-4
Laboratory Control Sample/Laboratory Control Sample Duplicate Recoveries & RPDs Outside of Acceptable Limits
Operable Unit 3
Motorola 52nd Superfund Site, Semi-Annual 2011

| Lab Package | LCS/LCSD ID | Associated Sample | Method | Compound | LCS (% R) | LCSD (% R) | Limit (%) | RPD | RPD Limit | LDC Qualifier |
|------------------------|------------------|-------------------------|--------|------------------------|-----------|------------|-----------|-----|-----------|---------------|
| PUI0650 | 11I0627-BS1/BSD1 | OU3-1M-M-091211** | 8260B | Carbon disulfide | 133 | 119 | 61-126 | 11 | ≤20 | J detects |
| | | EW-21-S-091211** | | cis-1,2-Dichloroethene | 75 | 75 | 80-120 | 29 | ≤15 | J/UJ |
| PUI0947 | 11I0768-BS1/BSD1 | OU3-13D-D-091511** | 8260B | Bromobenzene | 91 | 118 | 70-130 | 25 | ≤20 | J/UJ |
| | | OU3-2M-M-091511** | | Bromoform | 87 | 116 | 75-130 | 28 | ≤20 | J/UJ |
| | | n-Butylbenzene | | 83 | 106 | 70-130 | 24 | ≤20 | J/UJ | |
| | | sec-Butylbenzene | | 88 | 112 | 70-130 | 24 | ≤20 | J/UJ | |
| | | tert-Butylbenzene | | 85 | 110 | 70-130 | 26 | ≤20 | J/UJ | |
| | | Carbon tetrachloride | | 90 | 111 | 70-130 | 21 | ≤20 | J/UJ | |
| | | Chlorobenzene | | 95 | 121 | 70-130 | 24 | ≤20 | J/UJ | |
| | | 2-Chlorotoluene | | 85 | 106 | 70-130 | 23 | ≤20 | J/UJ | |
| | | 4-Chlorotoluene | | 85 | 107 | 70-130 | 23 | ≤20 | J/UJ | |
| | | Dibromochloromethane | | 84 | 109 | 80-120 | 26 | ≤15 | J/UJ | |
| | | 1,2-Dibromoethane | | 90 | 116 | 70-130 | 25 | ≤20 | J/UJ | |
| | | Dibromomethane | | 87 | 110 | 75-120 | 23 | ≤15 | J/UJ | |
| | | 1,2-Dichlorobenzene | | 91 | 116 | 70-130 | 24 | ≤20 | J/UJ | |
| | | 1,3-Dichlorobenzene | | 91 | 117 | 70-130 | 25 | ≤20 | J/UJ | |
| | | 1,4-Dichlorobenzene | | 91 | 116 | 70-130 | 25 | ≤20 | J/UJ | |
| | | cis-1,3-Dichloropropene | | 78 | 97 | 70-130 | 21 | ≤20 | J/UJ | |
| | | Ethylbenzene | | 92 | 117 | 70-130 | 24 | ≤20 | J/UJ | |
| | | Hexachlorobutadiene | | 91 | 113 | 70-130 | 22 | ≤20 | J/UJ | |
| | | Iodomethane | | 142 | 146 | 58-138 | 16 | ≤25 | J detects | |
| | | Isopropylbenzene | | 92 | 118 | 70-130 | 25 | ≤20 | J/UJ | |
| p-Isopropyltoluene | 87 | 111 | 70-130 | 24 | ≤20 | J/UJ | | | | |
| Naphthalene | 83 | 107 | 65-129 | 24 | ≤20 | J/UJ | | | | |
| n-Propylbenzene | 87 | 113 | 70-130 | 26 | ≤20 | J/UJ | | | | |
| Styrene | 81 | 104 | 70-130 | 25 | ≤20 | J/UJ | | | | |
| Tetrachloroethene | 96 | 127 | 70-130 | 28 | ≤20 | J/UJ | | | | |
| 1,2,3-Trichlorobenzene | 90 | 116 | 70-130 | 25 | ≤20 | J/UJ | | | | |
| 1,2,4-Trichlorobenzene | 88 | 116 | 70-130 | 27 | ≤20 | J/UJ | | | | |
| 1,2,3-Trichloropropane | 78 | 104 | 70-130 | 28 | ≤20 | J/UJ | | | | |
| 1,2,4-Trimethylbenzene | 86 | 109 | 70-130 | 24 | ≤20 | J/UJ | | | | |
| 1,3,5-Trimethylbenzene | 87 | 111 | 70-130 | 24 | ≤20 | J/UJ | | | | |

Table F-4
Laboratory Control Sample/Laboratory Control Sample Duplicate Recoveries & RPDs Outside of Acceptable Limits
Operable Unit 3
Motorola 52nd Superfund Site, Semi-Annual 2011

| Lab Package | LCS/LCSD ID | Associated Sample | Method | Compound | LCS (% R) | LCSD (% R) | Limit (%) | RPD | RPD Limit | LDC Qualifier |
|-------------|------------------|----------------------|--------|---------------------------|-----------|------------|-----------|-----|-----------|---------------|
| | | | | Xylenes, Total | 90 | 116 | 70-130 | 25 | ≤20 | J/UJ |
| | | | | Freon 113 | 92 | 115 | 60-140 | 22 | ≤15 | J/UJ |
| PUI0468 | 11I0411-BS1/BSD1 | OU3-4S-S-090811 | 8260B | Dibromochloromethane | 102 | 87 | 80-120 | 16 | ≤15 | J/UJ |
| | | OU3-7M2-M-090811 | | 1,3-Dichloropropane | 101 | 83 | 80-120 | 20 | ≤15 | J/UJ |
| | | OU3-14M-M-090811 | | Iodomethane | 124 | 111 | 80-130 | 11 | ≤10 | J/UJ |
| | | OU3-14D-D-090811 | | 1,1,1,2-Tetrachloroethane | 113 | 96 | 75-125 | 16 | ≤15 | J/UJ |
| | | GW-EB1-090811 | | | | | | | | |
| | | GW-L1-1-090811 | | | | | | | | |
| PUI0468 | 11I0469-BS1/BSD1 | OU3-7S-S-090811 | 8260B | 2-Butanone | 90 | 56 | 40-150 | 46 | ≤35 | J detects |
| PUI0566 | 11I0528-BS1/BSD1 | GW-L1-2-090911 | 8260B | 1,2-Dichloroethene | 74 | 86 | 75-130 | 15 | ≤15 | J/UJ |
| | | | | cis-1,2-Dichloroethene | 79 | 84 | 80-120 | 7 | ≤15 | J/UJ |
| | | | | Iodomethane | 131 | 138 | 80-130 | 5 | ≤10 | J detects |
| | | | | n-Butylbenzene | 104 | 89 | 80-130 | 16 | ≤15 | J/UJ |
| | | | | Dichlorodifluoromethane | 60 | 55 | 60-150 | 13 | ≤30 | J/UJ |
| PUI0649 | 11I0627-BS1/BSD1 | OU3-6D-D-091211 | 8260B | Dibromochloromethane | 121 | 111 | 80-120 | 9 | ≤15 | J detects |
| | | OU3-6M-M-091211 | | Iodomethane | 132 | 118 | 80-130 | 11 | ≤10 | J/UJ |
| | | OU3-1D-D-091211 | | | | | | | | |
| | | GW-EB1-3-091211 | | | | | | | | |
| | | GW-L1-3-091211 | | | | | | | | |
| | | GW-R1-1-091211 | | | | | | | | |
| PUI0739 | 11I0653-BS1/BSD1 | OU3-10M2-M-091311 | 8260B | Bromodichloromethane | 84 | 79 | 80-120 | 6 | ≤15 | J/UJ |
| | | OU3-10M2-M-091311-Q1 | | cis-1,3-Dichloropropene | 88 | 79 | 80-120 | 10 | ≤15 | J/UJ |
| | | OU3-10M-M-091311 | | trans-1,3-Dichloropropene | 82 | 75 | 80-125 | 9 | ≤15 | J/UJ |
| | | EWOU3-10S-R-S-091311 | | | | | | | | |
| | | O3-8D-D-091311 | | | | | | | | |
| | | OU3-8S-S-091311 | | | | | | | | |
| | | GW-EB1-4-091311 | | | | | | | | |
| | | GW-L1-4-091311 | | | | | | | | |

Table F-4
Laboratory Control Sample/Laboratory Control Sample Duplicate Recoveries & RPDs Outside of Acceptable Limits
Operable Unit 3
Motorola 52nd Superfund Site, Semi-Annual 2011

| Lab Package | LCS/LCSD ID | Associated Sample | Method | Compound | LCS (% R) | LCSD (% R) | Limit (%) | RPD | RPD Limit | LDC Qualifier |
|-------------|------------------|---------------------|--------|---------------------------|-----------|------------|-----------|-----|-----------|---------------|
| | | GW-Z1-1-091311 | | | | | | | | |
| PUI0850 | 11I0653-BS1/BSD1 | OU3-11M2-M-091411 | 8260B | Bromodichloromethane | 84 | 79 | 80-120 | 6 | ≤15 | J/UJ |
| | | OU3-11M-M-091411 | | cis-1,3-Dichloropropene | 88 | 79 | 80-120 | 10 | ≤15 | J/UJ |
| | | | | trans-1,3-Dichloropropene | 82 | 75 | 80-125 | 9 | ≤15 | J/UJ |
| PUI0850 | 11I0730-BS1/BSD1 | OU3-5M2-M-091411 | 8260B | Bromodichloromethane | 79 | 83 | 80-120 | 5 | ≤15 | J/UJ |
| | | OU3-5MR-M-091411 | | trans-1,3-Dichloropropene | 77 | 78 | 80-125 | 2 | ≤15 | J/UJ |
| | | OU3-5MR-M-091411-Q1 | | Iodomethane | 123 | 134 | 80-130 | 9 | ≤10 | J detects |
| | | OU3-5DR-D-091411 | | | | | | | | |
| | | GW-EB1-5-091411 | | | | | | | | |
| | | GW-L1-5-091411 | | | | | | | | |
| PUI0949 | 11I0768-BS1/BSD1 | OU3-13M-M-091511 | 8260B | Bromobenzene | 91 | 118 | 70-130 | 25 | ≤20 | J/UJ |
| | | EW-19D-D-091511 | | Bromoform | 87 | 116 | 75-130 | 28 | ≤20 | J/UJ |
| | | EW-19S-S-091511 | | n-Butylbenzene | 83 | 106 | 70-130 | 24 | ≤20 | J/UJ |
| | | EW-20-S-091511 | | sec-Butylbenzene | 88 | 112 | 70-130 | 24 | ≤20 | J/UJ |
| | | EW-20-S-091511-Q1 | | tert-Butylbenzene | 85 | 110 | 70-130 | 26 | ≤20 | J/UJ |
| | | GW-EB1-6-091511 | | Carbon tetrachloride | 90 | 111 | 70-130 | 21 | ≤20 | J/UJ |
| | | GW-L1-6-091511 | | Chlorobenzene | 95 | 121 | 70-130 | 24 | ≤20 | J/UJ |
| | | | | 2-Chlorotoluene | 85 | 106 | 70-130 | 23 | ≤20 | J/UJ |
| | | | | 4-Chlorotoluene | 85 | 107 | 70-130 | 23 | ≤20 | J/UJ |
| | | | | Dibromochloromethane | 84 | 109 | 80-120 | 26 | ≤15 | J/UJ |
| | | | | 1,2-Dibromoethane | 90 | 116 | 70-130 | 25 | ≤20 | J/UJ |
| | | | | Dibromomethane | 87 | 110 | 75-120 | 23 | ≤15 | J/UJ |
| | | | | 1,2-Dichlorobenzene | 91 | 116 | 70-130 | 24 | ≤20 | J/UJ |
| | | | | 1,3-Dichlorobenzene | 91 | 117 | 70-130 | 25 | ≤20 | J/UJ |
| | | | | 1,4-Dichlorobenzene | 91 | 116 | 70-130 | 25 | ≤20 | J/UJ |
| | | | | cis-1,3-Dichloropropene | 78 | 97 | 70-130 | 21 | ≤20 | J/UJ |
| | | | | Ethylbenzene | 92 | 117 | 70-130 | 24 | ≤20 | J/UJ |
| | | | | Hexachlorobutadiene | 91 | 113 | 70-130 | 22 | ≤20 | J/UJ |
| | | | | Iodomethane | 142 | 146 | 58-138 | 16 | ≤25 | J detects |
| | | | | Isopropylbenzene | 92 | 118 | 70-130 | 25 | ≤20 | J/UJ |

Table F-4
Laboratory Control Sample/Laboratory Control Sample Duplicate Recoveries & RPDs Outside of Acceptable Limits
Operable Unit 3
Motorola 52nd Superfund Site, Semi-Annual 2011

| Lab Package | LCS/LCSD ID | Associated Sample | Method | Compound | LCS (% R) | LCSD (% R) | Limit (%) | RPD | RPD Limit | LDC Qualifier |
|-------------|-------------|-------------------|--------|------------------------|-----------|------------|-----------|-----|-----------|---------------|
| | | | | p-Isopropyltoluene | 87 | 111 | 70-130 | 24 | ≤20 | J/UJ |
| | | | | Naphthalene | 83 | 107 | 65-129 | 24 | ≤20 | J/UJ |
| | | | | n-Propylbenzene | 87 | 113 | 70-130 | 26 | ≤20 | J/UJ |
| | | | | Styrene | 81 | 104 | 70-130 | 25 | ≤20 | J/UJ |
| | | | | Tetrachloroethene | 96 | 127 | 70-130 | 28 | ≤20 | J/UJ |
| | | | | 1,2,3-Trichlorobenzene | 90 | 116 | 70-130 | 25 | ≤20 | J/UJ |
| | | | | 1,2,4-Trichlorobenzene | 88 | 116 | 70-130 | 27 | ≤20 | J/UJ |
| | | | | 1,2,3-Trichloropropane | 78 | 104 | 70-130 | 28 | ≤20 | J/UJ |
| | | | | 1,2,4-Trimethylbenzene | 86 | 109 | 70-130 | 24 | ≤20 | J/UJ |
| | | | | 1,3,5-Trimethylbenzene | 87 | 111 | 70-130 | 24 | ≤20 | J/UJ |
| | | | | Xylenes, Total | 90 | 116 | 70-130 | 25 | ≤20 | J/UJ |
| | | | | Freon 113 | 92 | 115 | 60-140 | 22 | ≤15 | J/UJ |

Key:

J detects = Estimated detected result

UJ = Nondetected, estimated report limit

J/UJ = Detected results are estimated; nondetected results are estimated at the report limit

RPD = Relative percent difference

** = Sample underwent Tier 3 review

Table F-5
 Field Duplicate Results and Calculated Relative Percent Differences
 Operable Unit 3
 Motorola 52nd Superfund Site, Semi-Annual 2011

| Lab Package | Method | Primary Sample ID/ Duplicate Sample ID | Compound | Concentration | | RPD Limit | Difference Limit | Units | Primary RL | Duplicate RL | Difference | RPD (%) |
|-------------|--------|--|------------------------|---------------|-----------|-----------|------------------|-------|------------|--------------|------------|---------|
| | | | | Sample | Duplicate | | | | | | | |
| PUI0739 | 8260B | OU3-10M2-M-091311/ OU3-10M2-M-091311-Q1 | Chloroform | 1.2 | 1.2 | NA | 0.50 | ug/L | 0.50 | 0.50 | 0.00 | NA |
| | | | 1,1-Dichloroethane | 5.4 | 5.2 | ≤20 | NA | ug/L | 0.50 | 0.50 | NA | 4 |
| | | | 1,2-Dichloroethene | 9.4 | 8.8 | ≤20 | NA | ug/L | 0.50 | 0.50 | NA | 7 |
| | | | cis-1,2-Dichloroethene | 6.9 | 6.5 | ≤20 | NA | ug/L | 0.50 | 0.50 | NA | 6 |
| | | | Tetrachloroethene | 1.9 | 1.8 | NA | 0.50 | ug/L | 0.50 | 0.50 | 0.10 | NA |
| | | | Trichloroethene | 35 | 33 | ≤20 | NA | ug/L | 0.50 | 0.50 | NA | 6 |
| PUI0850 | 8260B | OU3-5MR-M-091411/ OU3-5MR-M-091411-Q1 | Chloroform | 1.0 | 1.0 | NA | 0.50 | ug/L | 0.50 | 0.50 | 0.00 | NA |
| | | | 1,1-Dichloroethane | 5.1 | 4.8 | ≤20 | NA | ug/L | 0.50 | 0.50 | NA | 6 |
| | | | 1,2-Dichloroethene | 6.7 | 6.7 | ≤20 | NA | ug/L | 0.50 | 0.50 | NA | 0 |
| | | | cis-1,2-Dichloroethene | 10 | 9.7 | ≤20 | NA | ug/L | 0.50 | 0.50 | NA | 3 |
| | | | Tetrachloroethene | 2.2 | 2.0 | NA | 0.50 | ug/L | 0.50 | 0.50 | 0.20 | NA |
| | | | Toluene | 0.74 | 0.51 | NA | 0.50 | ug/L | 0.50 | 0.50 | 0.23 | NA |
| PUI0949 | 8260B | EW-20-S-091511/ EW-20-S-091511-Q1 | Chloroform | 1.4 | 1.4 | NA | 0.50 | ug/L | 0.50 | 0.50 | 0.00 | NA |
| | | | 1,1-Dichloroethane | 3.4 | 3.2 | ≤20 | NA | ug/L | 0.50 | 0.50 | NA | 6 |
| | | | 1,2-Dichloroethene | 2.6 | 3.2 | ≤20 | NA | ug/L | 0.50 | 0.50 | NA | 21 |
| | | | cis-1,2-Dichloroethene | 5.2 | 5.2 | ≤20 | NA | ug/L | 0.50 | 0.50 | NA | 0 |
| | | | Tetrachloroethene | 1.1 | 1.2 | NA | 0.50 | ug/L | 0.50 | 0.50 | 0.1 | NA |
| | | | Trichloroethene | 26 | 24 | ≤20 | NA | ug/L | 0.50 | 0.50 | NA | 8 |
| PUI0739 | 8260B | OU3-10M2-M-091311/ OU3-10M2-M-091311-Q1 | 1,4-Dioxane | 3.1 | 3.0 | NA | 1.00 | ug/L | 1.0 | 1.0 | 0.10 | NA |
| | | | | | | | | | | | | |
| PUI0850 | 8260B | OU3-5MR-M-091411/ OU3-5MR-M-091411-Q1 | 1,4-Dioxane | 2.1 | 2.1 | NA | 1.00 | ug/L | 1.0 | 1.0 | 0.00 | NA |
| | | | | | | | | | | | | |
| PUI0949 | 8270C | EW-20-S-091511/ EW-20-S-091511-Q1 | 1,4-Dioxane | 1.5 | 1.5 | NA | 1.00 | ug/L | 1.1 | 1.0 | 0 | NA |
| | | | | | | | | | | | | |

Key:

NC = Not calculated, one result was detected and the other result was nondetected

ug/L = microgram per liter

** = Sample underwent Tier 3 review

RPD = Relative percent difference; used when sample results are >5x the reporting limit

Difference = used when a sample result is less than 5x the reporting limit

mg/L = milligram per liter